

<110> Rosen et al.
<120> 90 Human Secreted Proteins
<130> PZ013P1
<140> Unassigned
<141> 1999-02-04

<150> PCT/US98/16235
<151> 1998-08-04

<150> 60/055,386
<151> 1997-08-05

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<150> 60/055,986
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09774639 000101

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31

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cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga
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120
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tcacaaagct	cttcttccct	gggccctggt	atgtatgcct	ttctctccta	ctgtctaata	660
gcacctcgta	aattgtcaat	gaacttttct	aaggggtatt	cttgaattcc	caactagatt	720
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gcttttaggg	ttggggggcca	aattytacct	tgggattttk	aaaaattcaa	actgtgaaca	900
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<210> 12

<211> 2753

<212> DNA

<213> Homo sapiens

<400> 12

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acgccaaactg	tagccaggta	ggaacaatgg	tcacttgtac	ctgcctgccc	gactacgagg	180
gtgatggctg	gagctgccgg	gcccgaacc	cctgcacaga	tggccaccgc	gggggctgca	240
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aacgggctgg	cgttttccac	ctccaggcca	ccagcggccc	ttatggctctg	aacttttcgg	480
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<212> DNA
<213> Homo sapiens
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<211> 781
<212> DNA
<213> Homo sapiens
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<210>	15
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<212>	DNA

<223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

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 aaactcccag ctcacatcc attccctcct taccagcctt gtcggaatca cccaatggga 180
 aaggcagcct acctgtcact tcagcactgc ctgcactttt ggaaaatgga aagacaaatg 240
 gggaccaga ttgtgaagcc tctgtcctcg cgctgacct gagctgcctg ggaggagctt 300
 agtcaggaga ccaaggccag gatggaggaa gaagcctaca gcaagggatt ccaagaaggt 360
 ytaagaaga ccaaagaact tcaagacctg aaggaggagg aggaagaaca gaagagttag 420
 agtcctgagg aacctgaaga ggtagaagaa actgaggaag aggaaaaggg cccaagaagc 480
 agcaaacttg aagaattggg ccatctctta caagtcatgt atcccaaact gtgtcagcac 540
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 tcttccatt tccatctca ttttcaataa cttcagcctc ccattctttc ctttgggaatg 1260
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<210> 18
 <211> 786
 <212> DNA
 <213> Homo sapiens

<400> 18
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 tcagcgctga gattgtctaa agccccagga aaaatgggtg aaaattcacc gtcgccattg 180
 ccagaaagag cgatttatgg ctttgttctt ttcttaagct cccaatttgg cttcatactt 240
 tacctcgtgt gggcctttat tctgaatct tggctaaact ctttaggttt aacctattgg 300
 cctcaaaaat attgggcagt tgcattacct gtctacctcc ttattgctat agtaattggc 360
 tacgtgctct tgtttgggat taacatgat agtacctctc cactcgactc catccataca 420
 atcacagata actatgcaa aaatcaacag cagaagaaat accaagagga ggccattcca 480
 gccttaagag atatttctat tagtgaagta aaccaaatgt tctttcttgc agccaaagaa 540
 ctttacacca aaaactgaac tgtgtgtaac catagtaaca ccaagcacgt atttatttat 600
 aagtttttgc cattataatt ttgaccataa attaatttga ccatctctct tattaataga 660
 gaagtaaaaa atgtaagttg accttctctt agattatgtt caatgaatat tgtaaatgtt 720
 caagtattgt taatgaatag aataaatata atattgcatt cccaaaaaaa aaaaaaaaaa 780
 actcga 786

<210> 19
 <211> 510
 <212> DNA
 <213> Homo sapiens

0974639-060404

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tagacttggc	actgggtaga	aactagtaag	gcatggctct	tcttctacat	agaatcttag	180
catttttagag	atgagttccc	agacatggtc	cagaagggtca	cagttcacac	cattaggcaa	240
ggcagtattt	gaaataaaaag	tcatgtctaa	tactaaatcc	agtatgttct	ctccttcagg	300
attttactct	cattgctgcc	ccttggtttg	ctatgctctt	ccccagacag	ctgcacagct	360
cattttaattt	agatctcatt	taatttagat	ctctcaatta	atttagatct	ctgttaaaaa	420
aaaaaaaaaag	ccctaggcag	caagggtctaa	catatcatcc	tcaaatttaa	gagaaagccc	480
tttggtgtta	tttttcttta	tagcacttac	caactcccag	tagaatgtaa	actccagtag	540

ggcacatatt	tttgccctctt	ttattttactg	ctctatttccc	agcaccagaa	cagtccttgc	600
cacaaagtag	gtgctcaata	aacatttggg	gaatgaatta	acctagtgtt	ctttttacct	660
acacatgcac	acacagagcc	atgacactcc	tgccgaggaa	gctcgcggct	ctaagagggg	720
cattaaagaa	aagccaattc	agtgcctgcc	aaagagttag	acatgttttg	acagcaggat	780
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<210> 22
 <211> 1061
 <212> DNA
 <213> Homo sapiens

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 <222> (138)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (460)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (473)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1048)
 <223> n equals a,t,g, or c

<400> 22	
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cctgaggggc	aagttcaaga
tgggccgtaga	ccggaatnga
ccttccagcc	caatggcaaa
actttgcagg	gccccatttt
tccataacca	ttcagtgaag
cccatggcga	gggcaatggg
gaaacatcat	tgtggctgac
tccttcctgt	cctatatcaa
ctgacctcgg	atggccatgt
cgctacctcc	agtagctgta
tgattggaca	agaggggtctg
tgtgggcatg	ggtgcacccg
tatttattcg	gttcttgctt
tgcagagctt	cacctaccc
ccccagcct	ggggccagaa
accaccctat	acacactgac
ttcaccaaga	aaaaaaaaa
	aaaaaaaaanac
	tcgcggcacg
	a
	60
	120
	180
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	360
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	540
	600
	660
	720
	780
	840
	900
	960
	1020
	1061

<210> 23
 <211> 884
 <212> DNA
 <213> Homo sapiens

097463 0004

<220>
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 <222> (307)
 <223> n equals a,t,g, or c.

<220>
 <221> SITE
 <222> (356)
 <223> n equals a,t,g, or c

<400> 23

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gtttctacct	ttcctggctc	ctttgtttaa	aggcctggct	gggagccttc	cttttgggtg	180
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gagggangga	gctggtaggg	gagatgctgg	gctttaccta	agtctcgaaa	caaggnggca	360
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tctgtcttaa	cagtagcggt	gcacacagaa	ggcactcagt	aaatacttgt	tgaataaatg	840
aagtagcgat	ttgggtgtgaa	aaaaaaaaaa	aaaaaaaaaa	aaac		884

<210> 24
 <211> 711
 <212> DNA
 <213> Homo sapiens

<400> 24

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tgaactcctg	ggcttgagca	accctcctgg	cacaatctcc	ttgaatgatg	ggtcccaaga	180
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cacctcacag	aggcaggagc	attgtgagga	ttaaagcgcc	tagccaggaa	taggccatag	660
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<210> 25
 <211> 507
 <212> DNA
 <213> Homo sapiens

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<220>
 <221> SITE
 <222> (10)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (48)
 <223> n equals a,t,g, or c

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 aatttacatt cccaccaaca atgttcaagg atttcatatt cttgacattc ttacccaaaat 180
 tgtcacagtt tgtaaaaggt agtctaataa gtggcctaag tgaatgtgac aacacttcat 240
 tgaaagcaat cttagggtttt tccaactata gtcaataata acttaattgt acattctaaa 300
 ataactcaaa gagtgaatt ggattgcttg taacttaaag gataaatgct tgaggggatg 360
 gatgcctcat tctccatgat gtgcttattt cacattgcat gcctgtatca aaacattaca 420
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 tttcaaaaaa aaaaaaaaaa aactcga 507

<210> 26
 <211> 2232
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (715)
 <223> n equals a,t,g, or c

<400> 26
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 ctctgcctga raagccaggc gctgttcccc caccocagaa gaggatggca aagggtggcta 120
 aggacctcaa cccaggagtt aaaaagatgt ccctgggcca gctgcagtca gcaagagggtg 180
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 ctactgggaa agatcccact tttgacacca tcacctacga gtgggctccc cctggagtca 480
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 gcacagaggg tgcttttacc gccgccgcca gctcatgcac cagctcccca tctatgacca 600
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 caagcaatat aagagcgagg ccctcggcgt gggagaagtg gccctcccg ggcanggggtg 720
 gcttgccaag gaggagggga agcagcagga aaagccagag ggggcagaga ccaytgctgy 780
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 agccctcacg acccaatcat ctcttaaagg cccacctct caatactgcc atgcagagga 960
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cctctactac	agatttggca	gtgacgcata	aaaggcccat	ttctcaggaa	gaatacatgt	1620
cctaaggatg	taaaaaaaaa	aaaaatatta	gatctagtta	ccatggkcta	taaactggtc	1680
ttttcccgcc	ccaccctgat	cctggcttct	gtccaccctc	aaatagctgt	ttgktcataa	1740
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cgayattttg	ttctgtgtgg	aacaaaggca	aaggcagccc	aagaaccggg	gtccttgccct	1920
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<210> 27
 <211> 640
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (15)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (17)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (21)
 <223> n equals a,t,g, or c

<400> 27						60
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aggtacattt	acctcattgt	gtatataatg	tttaatat	gtcagagcat	tctccagggt	240
tgcagtttta	tttctataaa	gtatgggtat	tatgttgctc	agttactcaa	atggtactgt	300
attgtttata	tttgtacccc	aaataacatc	gtctgtactt	tctgttttct	gtattgtatt	360
tgtgcaggat	tcttttaggt	ttatcagtg	aatctctgcc	ttttaagata	tgtacagaaa	420
atgtccatat	aaatttccat	tgaagtcgaa	tgatactgag	aagcctgtaa	agaggagaaa	480
aaaacataag	ctgtgtttcc	ccataagttt	ttttaaattg	tatattgtat	ttgtagtaat	540
attccaaaag	aatgtaaata	ggaaatagaa	gagtgatgct	tatgttaagt	cctaacacta	600
cagtagaaga	atggaagcag	tgcaaatata	ttacattttt	ccccaaaaaa	aaaaaaaaaa	640
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<222> (1121)

<223> n equals a,t,g, or c

<400> 29

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ctgtttcttca	cccagctcca	ggtggggctg	atccagcagt	ggatgggtccc	caccatccag	180
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aactccgagt	ctgtcaccta	cttctggcag	aactggaaca	tccttggtga	caagtgggtg	420
atcagggtag	tgggggtgtg	gtgtgtgtga	tgtggaacat	ggctgtgaac	ctgaaccgct	480
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ctggctgcac	agcatcctcc	tctgggtccc	gggaggcctc	tctgccccta	tggggctctg	960
tcctgcaccc	ctcagggatg	gcgacagcag	gccagacaca	gtctgatgcc	agctgggagt	1020
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<210> 30

<211> 778

<212> DNA

<213> Homo sapiens

<400> 30

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gcttatgtgc	ccctgagctg	ccgaatcatt	gagcaggtgc	tagagcggcg	astggcaggg	180
ccttgatgag	gtggtacggc	tgtcgaactg	magtgacttt	gcattcacag	atatgactaa	240
ggaagacaag	gcttccagtg	agtccctgcg	cctcatcttg	gtggtgttct	tgggtggttg	300
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ggaagaggca	tccttttgcta	aatcctgttt	gaatgtcatt	gtaaataaag	cctctgctct	720
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<210> 31

<211> 2476

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (853)

<223> n equals a,t,g, or c

<220>

<221> SITE

0974639 030404

<222> (2227)

<223> n equals a,t,g, or c

<400> 31

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tttgggtggaa	gtccttggtt	acttatcatt	actgtgtttc	tgagaagtta	taaattttgcc	180
atctccctct	gcacaagtta	cctttgtgtg	tctttcctga	agactatctt	cccgctctcaa	240
aatggacatg	atggatccac	ggatgtacag	cagagagcca	ggagggtccaa	cygccgtaga	300
caggaaggaa	ttaaaattgt	cctggaagac	atctttactt	tatggagaca	ggtgggaaacc	360
aaagtctcag	ctaaaatccg	taagatgaag	gtgacaacaa	aagtcaaccg	tcatgacaaa	420
atcaatggaa	agaggaagac	cgccaaagaa	catctgagga	aactaagcat	gaaagaacgt	480
gagcacggag	aaaaggagag	gcagggtgtca	gaggcagagg	aaaatgggaa	attggatatg	540
aaagaaatac	acacctacat	ggaaatgttt	caacgtgcgc	aagttttgcg	cggcgggcag	600
aggactacta	cagatgcaaa	atcaccctt	ctgcaagaaa	gcctctttgc	aaccgggtaa	660
gtttgcttgt	tttctttgct	tttggacata	gtctgccagg	tcaggacatg	gatacatttt	720
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aatggggccct	gactgtaaat	tagtgaagag	tgaatgtaac	ttattaccca	cagggacaat	960
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cagtttttaa	acttgctttg	tttagaatte	ccacctcatt	tttccatgga	caaaagtatt	1140
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ccatgcctaa	ctgacttctt	gaggtaagat	tgttctgtca	gaaaaccctc	tcccagttcc	1260
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aatctcaaga	cacctcccga	gtgtgtctgc	tcactccctt	tccacctca	gctccacctt	2340
cagcggatga	taatctcaag	acacctccca	agtgtgtctg	ctcactcccc	ttccacctc	2400
agtggatgat	aatctsaaga	aactaasgaa	gaataataaa	ataatataaa	aataaaaaaa	2460
aaaaaaaaaa	actcga					2476

<210> 32

<211> 691

<212> DNA

<213> Homo sapiens

<400> 32

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tgaaacagta	taaaaaacaag	atctttacat	taagagattc	tacatttttc	tgttttacttc	180
ttgaatatgt	tcctaattcta	ttttatatatt	gaacatatatt	tgtttgatttc	tgctaataga	240

aagttaccaa	aaacttagaa	ataagacaaa	tttatcattg	catgttttcc	tttttcatac	300
tgaagtaatg	tctaaaagat	tcaccttgga	ttatttggtt	ctttctgaga	ttgtactttg	360
tttggttttac	tacttattac	ttattagggc	cttggtctctg	tgaagttgga	tgtaaactta	420
taaatgggat	tcatagagat	acgtgattta	tttcaggtag	aaaaaacaac	cctacaagat	480
tttttttttc	cagcaaaaaca	ttaaacagct	ttgcctcaaa	cttagcaaat	gtatttcatc	540
atgactttct	taaactgaca	acataacaac	catttgaatt	ttcctttgaa	ccagctttac	600
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ttcacttttaa	aaaaaaaaaa	aaaaaactcg	a			691

<210> 33
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 33						
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ctttgtaaaa	atcaccactt	aaagtttggt	tctaaagatt	ttaggacacc	aagatgcaaa	180
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tacacagtac	ctcagccctc	ctgctcagtt	tttaacatct	attgataata	ctaattacaa	300
gaaaatttaa	aatgtctttt	tgcaaaaaga	taccataagc	agtcaaaaaca	caattaaaaa	360
aaaaaaaagag	agagatgtaa	acaattactt	tccggccggg	tgcggtggct	cacacctgta	420
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gcctggctaa	catggtgaaa	acccatctct	actaaaaata	caaaaaaata	gccaggcgtg	540
gtgacgcatg	cctgtagtcc	cagggtactcg	ggaggctgag	gcaggagaat	cgctgaacc	600
caggagatgg	aggttgcggt	gagccaagat	cacgccactg	cactccagcc	tgggtgatag	660
agcaagactc	tgtttccaaa	aaaaaaaaaa	aagggcggcc			700

<210> 34
 <211> 1722
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (413)
 <223> n equals a,t,g, or c

<400> 34						
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gctgtgggat	ggcaggacgg	gcaagtacct	ggcttcccta	cgcggccacg	tggtgcccgt	360
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cactgaaggt	gtgggatgtg	aaggcccaga	agctggccat	ggacctgccc	ggccacgcgg	480
atgaggtata	tgctgttgac	tggagtccag	atggccagag	agtggcaagt	ggtgggaagg	540
acaaatgcyt	ccgatatgga	aggagatgag	acggcccga	gttctctctg	acccccacct	600
cgactcggcc	tctgccagct	gccttcctcg	ccagagaaca	aaggctgaga	tggcagtgca	660
cacaccctcc	ccaccagtgg	ggacctgaga	atgcgtgtgg	cctgctgtcc	tcgatagacc	720

ggaatgggggt	tttcccacag	atccccgcct	gtggcacacc	ccagagccag	aaatcgaagg	780
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<210> 35

<211> 878

<212> DNA

<213> Homo sapiens

<400> 35

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caagggtttc	cgcaatgccc	ctggttgaat	tcggcaccgg	ttgagaggta	gtgccaatgc	180
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<210> 36

<211> 954

<212> DNA

<213> Homo sapiens

<400> 36

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ccagcgcacc	ccaagaggat	gggggttcac	cacctgcacc	gcaaggacag	cctgacccag	180
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ccatgccagg	cctgtcagct	gcgttgactg	actgcagcag	cttgccctcat	ggttttccct	420
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caatcagccc	aacccagccc	agactgggct	tttctgggga	gctgaggagt	ttatcagtat	540
tcattcttcca	tcctttcata	gtcacaagtt	ttgttatttt	gttttttttt	gggggtgatg	600

gtgtaattgt	taacctcatt	tccgtttcct	acctgtttgc	ttccccccc	agtctccgc	660
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cctcaagctg	ggctctgtgt	gaggcctggc	ccccactccc	aaccttggct	ctagactgtt	840
actcttaagc	tttgagaaat	tttcacattg	atgactattt	taaaatcaaa	taaaactatt	900
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<210> 37
 <211> 793
 <212> DNA
 <213> Homo sapiens

<400> 37	
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gttgagctca	cattctccca
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ggggctctta	agagattaca
tagttcccaa	aattaaagtt
ttttatttat	ttttcttttt
cttttgcata	tatctaattt
ttatatgatt	ttccagattt
attggagact	cactgggtacg
ttggaattga	gggttagggg
atgccaaaga	ccactaagaa
aaaaaaaaaa	aaa

<210> 38
 <211> 559
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (9)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (35)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (42)
 <223> n equals a,t,g, or c

<400> 38		
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	ggagctccac	ggcacgasca

60
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0974639-020101

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agagggaaaa	gaaacccact	aaattttgct	ttgtttcctt	gaagaatgtg	gcaacactgt	240
tttgtgattt	tattttgtgca	ggatcatgcac	acagttttga	taaagggcag	taacaagtat	300
tggggcctat	tttttttttt	tccacaaggc	attctctaaa	gctatgtgaa	attttctctg	360
cacctctgta	cagagaatac	acctgccctt	gtatatcctt	ttttcccttc	ccctccctcc	420
cagtgggtact	tctactaaat	tgttgtcttg	ttttttatct	tttaaataaa	ctgacaaatg	480
acaaaaaaaa	aaaaaaaaaa	aactcgaggg	ggggcccggt	acccaattcg	ccctatagtg	540
agtcgtatta	caattcact					559

<210> 39
 <211> 1263
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1091)
 <223> n equals a,t,g, or c

<400> 39						
ggccgcctt	tttttttttt	ttttttttta	aaacaaaaca	ggtttttaag	gttaaaacag	60
atgaattaat	aggtttataa	taaccattaa	ctaagggaag	ccctagaaca	agaaataagg	120
attttttaatt	gcatgcaaaa	cctagttacc	ataaaaacca	atgcaatacc	aaaatatctc	180
agcttccctag	catagactcc	aggtcttttc	atttccaata	cttggcagtc	ataatatgta	240
cactttcata	tgcacctggt	tgtggaggga	taagctcatt	cacataggac	tacaaatata	300
tctcacaggt	aggagggcac	aaaagaacaa	tatcttcctc	cacttttttg	ggtccatctt	360
gaaaaacaaa	aaaggcactc	ccaaagggtt	cttggttaaca	cctttgttag	gtttcttaat	420
tactaacata	atctttacat	gtaagggtta	tgggtccactc	atttcataga	tctgggaacc	480
atcaggcatt	ggaactgcct	ttaactcaca	tgccaaacaa	ctggctttct	taaacaatga	540
caaaaactgt	atacttgttt	taaaaacatt	tgggctttgt	ttccykgaca	acttatatat	600
gcttaatcac	tggacttttg	catgcagagc	caaacatata	atggaactga	aagaaccaca	660
atatgacatg	gtgacagaag	actctttgaa	tcattattct	gttttccact	atcagctgct	720
ccagctccct	tatactaata	caactttgtc	cctcagagca	cccagctctc	gaacctagggt	780
ttaatctctc	tgttgaaaga	tttattaaag	atacttagat	aaattaccaa	gtctttctct	840
acgatcatca	aagagtaagg	gaagtcaaat	gctcatgggc	agttgtccac	tattcacaga	900
atcttttagaa	actatttgcc	tgaggccaag	gagaatttgc	tttatcacta	aatctgaccc	960
atgttgagcc	atactaaaaac	tgcacttggg	tactagtctc	aaatcaaatt	gagcttatgt	1020
attgctctac	atttattgca	tcccatgctg	tgtgcaattt	ctgatgctga	ataagagaaa	1080
tacggcaatt	naaaggcttc	accacaagcg	tcacattcca	tgggtttcct	tgggttttca	1140
cctctgcatg	gatcttctga	tggttgacaa	gatgcgctgt	tgactgaaac	ttttgtcgca	1200
cttctcacac	ttataagggt	tctctcctgt	gtgtattctc	tgatgctgaa	taagaccgga	1260
gtt						1263

<210> 40
 <211> 455
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> n equals a,t,g, or c

<400> 40						
ggaattnccg	gggtcgaccc	acgcgtccgc	ccacgcgtcc	gcccacgcgt	ccgcaaatat	60
attggcagga	gattatccag	aacatctagg	tgcaggtaaa	cagttctaag	tccaagaagt	120

0974639.060101

tatggaggga	ttgatgctac	cactttctaag	tgttatttat	tctgaaggaa	ctgtatggga	180
ggagatcatt	gtttctggaa	gacagtacta	ttagttatat	agatggttct	ttctggttct	240
gaatgactaa	tcagtcattc	agtcaataac	actgaccacc	tactatatgg	tagtcattgt	300
tctaggtatt	gagcatgtaa	tggtggaaga	taaatggcag	atgagaatcc	tgcatctaga	360
accttaagtc	tgattggatg	gcggaagaaa	tatagttgat	aagcataatt	ttaggttagtg	420
attcattttcc	aaaaaaaaaa	aaaaaaaaagg	cggcc			455

<210> 41
 <211> 1128
 <212> DNA
 <213> Homo sapiens

<400> 41						60
ttacaaatga	ttactacagg	aatagtgggc	acttaatgtc	agttactccg	gtggaagaat	120
ttatctagtt	tttttttttt	tctttttttg	aaggatggty	tgaaaaatag	caagattaga	180
gaatgagttg	tatagttttt	tctatcacat	ttcatctaaa	atgatttgaa	ggacttttga	240
agattttttac	caacatcctt	aaatcaactc	cagggttgat	gaacaactga	tttaaaacaa	300
actaagagaa	cattaactag	atgtgggctt	tttaaaat	ataggtattg	catttcctac	360
cttggtattt	attccacttt	gaatacttta	gagggtctaa	ctttcaactc	tttaaggtag	420
taatggatag	ttttatactt	gttctcacia	aattgttatg	gtcagtttat	atcattgctc	480
catgcattga	ttataaaaaa	tcagtattaa	ttttttctga	tcttataagc	tttataggag	540
ttttcttttc	tcttataaag	tgtttcacct	tatgtaaaac	aaatgcctgc	ttgcatattg	600
gaagatgttg	aaattagttt	tagacaaaag	tggtccatca	attcagacac	tctgcttgga	660
tgctttacc	ttttcattag	tgctttctt	gcttctgaaa	cttggcagaa	actcgtagc	720
cagtccactg	cctttctgac	aatgtgtgga	gtcacgtatg	cttgggtatat	gcctttacta	780
ctttttaaagt	tctacagttt	attacttgcc	caagtgttac	taaatccttt	tcttatgtgt	840
actggatgga	gaaaaaatta	tagccagcac	tttgagagga	aagttttcag	aaacaatatt	900
aactggcact	actaactgaa	ggccacagga	gatgctatca	atgttatattg	taatctgaag	960
attgaacaag	gctgtgaggg	tcattttcaa	ctatttttag	gtgttaaaat	atataatagc	1020
tgttttctcag	ctgtttccact	caaaccgtgt	taggactctc	aaaggtaaaa	tgccacaggg	1080
gcttttcagt	tgttacagag	ctcagcagct	gtggttgccc	ctgttctaca	ccaatttcag	1128
ttcaataaaa	atgttaactt	tgcaaaaaaa	aaagaaaaaa	ggcgggcc		

<210> 42
 <211> 648
 <212> DNA
 <213> Homo sapiens

<400> 42						60
gaattcggca	cgaggcaata	tttgccctcac	ccaacaccac	aaagattttc	ttctgttttc	120
ttctagaact	tttttagttt	taggggtttat	atttaggtct	gtgatccatt	ttgaatcaat	180
attagcatat	gaggcaaagt	ggagatcgaa	gtttttat	ttccttatga	ataccagtt	240
gttccaacac	cacttattaa	aaacactata	ctttatccac	tgagtttggt	ttgtaccttc	300
atcaaaaacc	agttttcaat	atatctgtgg	attaaatttt	ttatttttat	gtttattttt	360
agagacggtc	tcactatggt	ttccaggctg	gtctcaaact	cttgtcctca	agtgatcctc	420
ccatcttggt	ctcctgagtc	gctgggagga	tcaggcagga	ggattttctg	agcctggggag	480
gttgaggctg	cagtgagccg	agattgctcc	actgcacttc	agcccgggca	atagagttag	540
atcctatctc	aaagaaaaaa	agagttattg	tgttatatct	tttttaaatc	atcttctttt	600
aaccctttat	atccttatat	ttaaactaga	gtttctgtca	agtgcactcc	agcctggtga	648
caaagcaaga	ctccgcctca	aacacaaaaa	aaaaaaaaaa	aaactcga		

<210> 43
 <211> 736
 <212> DNA
 <213> Homo sapiens

<400> 43
 tcgagttttt tttttttttt tttttgagac tgaatttcac tcttggtgcc caggctggag 60
 tgtaatggtg caatctcggc ctgggcgaca gagcgagact ccgtctcaaa aaaaaataaa 120
 taaataaaat aaaattaaat taaaaaaaaa aaaaaaaagt ctgctttgaa aaccagtatc 180
 catagacttc tggcagtcac ttctgggggtt taattttgga tgtgacaaag gtttggtttcc 240
 actggactta attttttcac atcgctctaa cttttgaaaa cacagataca gtccttttgc 300
 tgaataaaat gaaaactcga gcctaaattt aaaggcatag atatttcctg gacttccagg 360
 acagtaatat catgtactac tttgtcaaaa aaattttctg gaggtttttc tagaggaaga 420
 aactaagata acaacaacaa aaaagacaaa tccaaatgca ttacttgaag agcgactact 480
 catgttttcta gagaattttt tggtcatact atgtcatggg gttatttcct gggggcttca 540
 gttctgcttc agaatttctt tagtagttat ctactgaccc catctggtaa aattatagag 600
 gaagttacag tcgtaaagc ttctgtcaac tcgatttcta aaaattttat gtaaagagat 660
 attttaagag aaataagaaa ataggagatc agggcaaatg aatctaaaga tcttttagctt 720
 tactcgtgcc gaattc 736

<210> 44
 <211> 600
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (547)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (549)
 <223> n equals a,t,g, or c

<400> 44
 gggctcgacc acgcgtccgc caaatcccag tctttaccat ttcatatcag gatcggtgtg 60
 tgaggggaata acttggtttt ctgtcctcag tttttctcaa tttcaatcca tcttataaat 120
 cccagcaaaa ttaatttttc taaagacact tttagaattt ctgcaatagc tccttgagat 180
 caggatgccca gggatattca ttctgttcac gacactagct agcacatttg atcagcgctt 240
 gttaaacgat tctcaaccca aagatcactc ctagggaaaa aagtctccaa tggcttcccg 300
 ttgccttcat ggtattaaac ctgcaatttc agagctcgat atttaaattt tttagggggc 360
 tgggaatttct cataatactc cttggctatc tactaaacac taagtactag gcatacagaa 420
 ataacagata cacttgggtc aggcacggtg gctcacgcct gtaatcctaa cactttggga 480
 ggccaagggt ggtggatcgc atgagctcaa gagttcaaga ctagcccagg caacaaagga 540
 tcctgtntnt acaaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagggcggcc 600

<210> 45
 <211> 687
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (57)
 <223> n equals a,t,g, or c

<400> 45
 aattcggcac gagaaaaaat aaaaaaaata agccagggtg ggtgggtgggc acctgtnatc 60
 tcagctacgt gggaggctga ggcaggagaa tctyttgaac ctaggaggca gaggttgcag 120

```
<210> 46
<211> 697
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (394)
<223> n equals a,t,g, or c
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<210> 47
<211> 286
<212> DNA
<213> Homo sapiens
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```
<220>
<221> SITE
<222> (3)
<223> n equals a,t,g, or c
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1

ntnctagcac	tcaggagtc	aaaccattgc	ttttgggtta	gaatgcatga	agaacatgca	60
cgtctatctg	aactacaata	actttctgct	tartctactt	aggctaattg	tgaacatttg	120
ttcattcaca	caaccactgg	tggcagaaga	agagagacct	cttacaccac	tatagcatag	180
gagctgcaat	gtcacatgag	ttttaaaaga	tgctytttaa	agaaaaaaaa	aaacamgrag	240
sargaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaggg		286

<210> 48
 <211> 858
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (843)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (847)
 <223> n equals a,t,g, or c

<400> 48						60
ggccgccttt	tttttttttt	tttgataaat	acaaagatac	atgtaaagtt	ttactttacct	120
gatttttaaaa	acaggctacc	aaaattttatc	caaatatatt	aaaaaatgag	actgttttaa	180
aaacctttcg	tttccatatt	gtgactccac	taagcgggta	aaaagtccag	gacagagatg	240
gaaaggaaaag	aaggaaacag	gaagaagtga	aactaggaag	gtggtgccag	tggcacatgg	300
atgaagaaaag	agagatcatc	agccatggag	aattttgtta	tgttaagtaga	gagagagatt	360
gggtaggaag	acaggcttca	cagtttgtta	agtgttaagg	aactacccat	cgtaccctgt	420
cattgactag	ggctgtgagt	tatgtagtcc	tgtctcctct	tgcaaaagac	ttaccacttc	480
tggcaagtga	tttaaccactt	ctggcaactc	ttcatttctt	cttatccttg	aatattcatc	540
tacatcactc	taaacagcac	agccccagaa	gcatggaaaag	gggagttatt	agtatggaaa	600
ggggagttac	tcttctgggtg	tagtgggtccg	attgagtcca	tggcttccca	gccttaccag	660
agctgataaa	aatgtcaatt	cctttggggc	caatcttgct	cctccagtgt	gttttagccc	720
taatgaggtc	atgggttattt	ctagacttct	gagacttact	gtggctttga	attgacacaa	780
acactaattt	tctgtcaaag	gctagagtga	tggatgttat	atgcctgcgg	acgcgtgggt	840
cgaccgcgga	attccggacc	ggtacctgca	ggcgtaccag	ctttccacta	tccgtgcgtc	858
agnccgnact	gtaaccct					

<210> 49
 <211> 1307
 <212> DNA
 <213> Homo sapiens

<400> 49						60
ggctcgaccca	cgcgctccgga	gccgcgaggg	agaggccgcg	gccccttccc	gttgccctgcg	120
gccaccggcc	ggcattcaga	gcccctcgcc	tggcgctaaa	tttaaaaacg	taacacgagc	180
agcaggctgg	tctcggaac	gaaacgaaat	tcggctccctg	ggcctcctcc	cgggcgctgc	240
cggctccctca	gcgcgcgcg	ccaccggaa	cagacccttc	tcccgcatt	ttcggcgggg	300
ctgggagact	gaggcccgcg	gcgctgagcc	tgccggcgccc	cgggaagaggc	gggcggcatg	360
gccgctggcg	tggactgcgg	ggacgggggtt	ggcgcccggc	agcacgtgtt	cctgggtttca	420
gaatatattaa	aagatgcttc	aaagaagatg	aaaaatgggc	taatgtttgt	aaaactgggt	480
aaccctgtt	caggagaagg	agccattttac	ttgttcaata	tgtgtctaca	gcagctgttt	540
gaagtaaaaag	ttttcaagga	aaaacaccat	tcttggttta	taaatcaatc	agttcaatca	600
ggaggtcttc	tccattttgc	cacacctgtg	gaccccttat	ttctgcttct	ccactacctc	660
ataaaggctg	ataaggagg	gaagtttcag	ccccttgatc	aagttgtggg	ggataacgtg	720
tttccaaatt	gcactctgtt	gctgaaactt	cctggacttg	agaagttact	tcactcatgtg	

acagaggaaa	aaggtaatcc	agaaatagac	aacaagaaat	attacaagta	cagcaaagag	780
aagacattaa	agtggctgga	aaaaaagggt	aatcaaactg	tggcagcatt	aaaaaccaat	840
aatgtgaatg	tcagttcccg	ggtacagtca	actgcatttt	tctctggtga	ccaagcttcc	900
actgacaagg	aagaggatta	tattcgttat	gcccattggtc	tgatatctga	ctacatccct	960
aaagaattaa	gtgatgactt	atctaaatac	ttaaagcttc	cagaaccttc	agcctcattg	1020
ccaaactctc	catcaaagaa	aataaagtta	tcagatgagc	ctgtagaagc	aaaagaagat	1080
tacactaagt	ttaataactaa	agatttgaag	actgaaaaga	aaaatagcaa	aatgactgca	1140
gctcagaagg	ctttggctaa	agttgacaag	agtgggaatga	aaagtattga	tacctttttt	1200
ggggtaaaaa	ataaaaaaaaa	aattggaaaag	gtttgaaact	ttgaaaataa	aatctagcaa	1260
aaataaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaag	ggcggcc		1307

<210> 50
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (606)
 <223> n equals a,t,g, or c

<400> 50						
aaaaattgga	gacactgttt	aacttctgtg	catggactcc	atcagcakct	acaaagccay	60
tgggaggctg	aggatcactt	gagcccagaa	gtttgaggct	gtagtaagct	tcaaaggcca	120
ctgcactcta	gcttgggtga	ggcaagaccc	tttcaagcag	taagctgcat	gcttgcttgt	180
tgtgggtcatt	aaaaacccta	gtttaggata	acaggtctgc	ctgcatttct	tcaatcatga	240
attctgagtc	ctttgcttct	ttaaaacttg	ctccacacag	tgtagtcaag	ccgactctcc	300
atacctttta	aaggatatgac	aggaaactgtc	ttcatgtcct	taccaagca	agtcattccat	360
ggataaaaaa	gttaccagga	gcagaacat	taagctgggtc	caggcaagtt	ggactccacc	420
atttcaactt	ccagctttct	gtctaatagcc	tgtgtgcca	tggcttgagt	taggcttgct	480
ctttaggact	tcagtagcta	ttctcatcct	tccttgggga	cacaactgtc	cataagggtgc	540
tatccagagc	cacactgcat	ctgcacccag	caccatacct	cacaggagtc	gactcctact	600
cttagn						606

<210> 51
 <211> 547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (22)
 <223> n equals a,t,g, or c

<400> 51						
gggcncccca	aaaattcccc	cnrggttttt	tttttttttt	tttgttttca	agaagaaaga	60
agcaatgcag	caaagtgggtg	cagaacacag	gagctggagc	cattcagacc	caagtccaac	120
tcttgacctc	gccacttttc	tctacagtcc	tgagcaatta	cacctgcca	gcaccttccc	180
aatggacaga	ctggcaggcc	ctactcccaa	caggcatcca	gactgagcat	caccaaggat	240
gggacaaa	gaagcaatgc	aagaggaaat	gcgaacacga	acatgcacca	ctacaccaca	300
acctatggaa	acaatcaggc	aaaacaagac	taggagacat	atgacaagaa	aacaggcctg	360

gacgcttcaa	aaatgccaat	gtcacgaaag	acaaaaactg	ggcatgctct	tctggatcaa	420
aggagactaa	agagatataa	caaccaaaca	caataaaact	atcctagatt	acatcctgga	480
ttttttaaaa	gcaaaaaaga	acaatttggg	aacaactggg	gaaagtgtta	atgtggctac	540
attttaa						547

<210> 52
 <211> 865
 <212> DNA
 <213> Homo sapiens

<400> 52						
gctgaatata	aggaaatatg	tctaattggac	accagttaat	actttttaaa	actactcttt	60
aaaaaaaaaa	tacgttcccc	ttggtttaact	gatttttttaa	tccaggggtgg	acatttttttc	120
aaccttttatt	aaaaagacaa	ataaactatt	ttgtagaaga	tcagactcct	acttaactgg	180
aagagaaatg	tctattaaat	gtctctcctc	tttctctggg	tcaagaccat	gtaattttat	240
gcttcagaga	tgaagatact	gtttgtttac	aaagagttaa	gtttttaaga	catccaaaac	300
tctatgctag	agcaaaaatc	aaatagcaaa	ggacactagc	cagaaaatac	agtgtgtgtg	360
tgtgcacctg	tgtgcctgct	gaacaacttg	acagtgtaac	agataaggta	actgaagatg	420
gtggatattt	gaattgtatt	agcttaatgt	ctacatatct	ttggccaaaa	ctctattgtc	480
atattagaaa	catgttatct	ttttcatggt	tattagtaat	ttatttttga	ttctttgttt	540
tctttttcgt	ccaactaaaa	caactgtaat	gtacttgata	cattttatatc	aagtctctaaa	600
gtatttagac	aaatccaaat	actttgtttt	tagttttttc	ctcctttcca	tcctgttaac	660
cacagtgaag	cgctgcagta	ttttgatttg	gtcagtgtta	cggaggaaga	ccatgaaagc	720
tgaattgggc	tgtgccaccc	agagtaaacc	tcttctcttc	ttctggaaag	atggcgtgat	780
gtttttcaag	gattctaata	aatatcccg	agtcactctc	tgaaaaaaaa	aaaaaaaaaa	840
aaaaaaaaaa	aaaaaaaaagg	cgcc				865

<210> 53
 <211> 689
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (309)
 <223> n equals a,t,g, or c

<400> 53						
tgcacccacg	cgtccgattt	tctgataaga	cgattactaa	gacaaacttc	tatcctttta	60
cttagtaagc	atcatgacat	catatataat	caacctatct	ttcttcttac	ctttggcaac	120
tgcgaaggtc	agtgtctaac	cttgtgggta	accctagtag	tgacatccct	tcttatgtct	180
tagtaatcgt	cttatcagaa	aatatcatat	aaaataaaca	caaagtaaag	tttttactta	240
aaaagatctg	tagatatttc	actaactcta	ttaatgcttt	ggtaatatgt	atttaaatcta	300
taatcctgnc	ctagatcaag	ttttgaggcc	tcagtgttat	tcattccttg	ggctaagagc	360
cactgaaatg	ggataattat	tggtagagtt	acttcctcct	tttaaattgg	ttctgttctg	420
ccatttactc	tttatttgaa	attgccttct	tttaaaagtt	attcttaata	ttgtaagcta	480
tttgaaaata	ggtgagccat	aaaaataaat	attaataatg	tatttctaata	tatcttatct	540
aacaaaaata	ataataaata	tccacttttag	aaaatttgga	aaatcatgaa	ggtataaata	600
ctaaaatcga	aatttctctat	aagatcaata	ttcagatttg	acctcaggca	aacacagaaa	660
ttaaagttaa	aaaaaaaaaa	agggcggcc				689

<210> 54
 <211> 515
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (7)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (20)
 <223> n equals a,t,g, or c

<400> 54
 tanntgnatc cccccgggcn tgccaggaat tcggcacgag ttacaactgg tggaccacac 60
 accaggcact aatcacctgg tgaggatttg gcatatccac caaaaaaatgc atccgattta 120
 accaacatct ccaccagegc tacggactcc tcccaattct gacatctctt gcagacaata 180
 ctatgctctc tacacactgt ttagaaatgg aaagggtgat tgcactgtat cttggggttg 240
 ttggctatgc ttcctttgat gacatatatt atacagtata tatatacata tattttwww 300
 gttagagttc tagccatttt atttctccgc agggtccttt ctcagacatt actgcatgct 360
 gtatatggcg ttagctgtgt gttgatcttc taaaagatga tagagtttac tggtaattgt 420
 gtaatcagct cctgcctttt tattttcttg gggtatttac atgtcagaga catttataaa 480
 aagtgaagg ataaaaaaaa aaaaaaaaaa ctcga 515

<210> 55
 <211> 747
 <212> DNA
 <213> Homo sapiens

<400> 55
 aaaaaggaag aaaagaaaaa aaggaaacca gccctgtcat ggaatttctc tcttccctg 60
 cacagtaaag acttttgggt tttcatggat aaaatcaatg tcagtactga aactccta 120
 ctccccctcc gccccactct cccccgttg ccgagatggc caagttcagg cctgtgcaat 180
 gccgcttccc tctgagcctc cctctcaagg gccacgcagg cagctgcagc agggccagct 240
 gcaggatggg gctgccggtc actgaattgt cgttcaaag catcatcttt gtggcgctct 300
 tctcatgcga gcaaagccac gtgctctcct gtctgctgtc acatctgtgc ctggattgct 360
 taaatattgt ttgtgatggg gaggttttaa tctggtgatg cagaggggaag cagggctgtg 420
 ggggcacgtt taattggctc ccagcagcgt ggggagtgct tctatggtgt gtggggtttt 480
 ttgttgccct cctctagaag tgttaccgtt ttcacgtcct attaattgtc tctggttgtt 540
 aaattacagc agcacattac agtgcactgg gttccctcct ggagtgaata caaacggagg 600
 gcatctactt gtatttttag aagttttggg agaatttagt gattttgtggc twtgatcaat 660
 cctgttgact ggtgtatgtc tgcgcaaacc tgtttcaaag aaatcttttg ttaaagtaaa 720
 aaaaaaaaaa aaaaaaaaaa aactcga 747

<210> 56
 <211> 676
 <212> DNA
 <213> Homo sapiens

TT0020 SE94463

<400> 56
 gaattcggca cgaggacgag gtaaaattat tagaatggag tatgtcatca ggtcttttcc 60
 tagtcctttt ctgcttcctg tgtgtctttg taggtttctt tgatttccat tgttggtgtg 120
 atattttggt aaaaagcagc tgactcacat cccatccaaa tccccagtc cttcagatc 180
 cttcacaaat ttggcattca gccactcct tgccaattgc ttcttttctt cccaattccc 240
 acatgtctcc ttcttacgcc atctgcttct cctcccttcc ttcgattagt gctttcgtct 300
 gctcttccaa tttctttcat tgttcaatgt cttttgcttc ctcttcccc cctctcccc 360
 tagaggaaat taacatactt aatacagctg atgtcataaa gccccttttc cctaagaagt 420
 taaatttctg tttctgcaa ataaatacat agctctgttg tgtgaaggtc aaaggaaacc 480
 tgagtagtaa acctgaaata gatttttttg ggggttcattc tacataaagt gtcaatgcat 540
 attatgtatt ctatttattt tccaaaataa attttctatt tgggatttaa atatggtaag 600
 tcaacacaac tttattgtac cagtcattgg attgaataaa tgacttaaaa ataaaaaaaa 660
 aaaaaaaaaa actcga 676

<210> 57
 <211> 832
 <212> DNA
 <213> Homo sapiens

<400> 57
 aaccgcgtgg cccaatggca gcgtcctaca gtgtagcctc cgcttcccga ttgactggcc 60
 tgcttggcaa ggcaagtagc ggcggcgctt caagatgcgc tgcttgacca cgctatgct 120
 gctgcggggc ctggcccagg ctgcacgtgc aggacctcct ggtggccgga gcctccacag 180
 cagtgcagtg gcagccacct acaagtatgt gaacatgcag gatcccgaga tggacatgaa 240
 gtcagtgact gaccgggcag cccgcaccct gctgtggact gagctcttcc gaggcctggg 300
 catgaccctg agctacctgt tccgggaacc ggccaccatc aactaccctg tcgagaaggg 360
 cccgctgagc cctcgcttcc gtggggagca tgcgctgcgc cggtagccat ccggggagga 420
 gcgttgcat tgcctgcaagc tctgcgaggg catctgcccc gccagggcca tcamcatcga 480
 ggctgagcca agagctgatg gcagccgccc gaccaccgac tatgacatcg acatgaccaa 540
 gtgcatctac tgcggcttct gccaggaggc ctgtcccgtg gatgccatcg tcgagggccc 600
 caactttgag ttctccacgg agaccatga ggagctgctg tacaacaagg agaagttgct 660
 caacaacggg gacaagtggg aggccgagat cgccgccaac atccaggctg actacttgta 720
 tcggtgacgc cccaccggcc tgcagccctt gctgcccatt aaaaccactc cgaccccaa 780
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggcgg cc 832

<210> 58
 <211> 1003
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (422)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (700)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (758)
 <223> n equals a,t,g, or c

<400> 58
 ggtcgaccca cgcgtccgga ggcccgcagc cggggcgggc cagggtagag cgccgcggac 60
 ccggccacgc agcccgggga ctcccgggcc ctcccgggag cccgcggggg ccccgccgtg 120
 catccggcgg gctcagggag cgagtgggag cgccctcccc ccgctgcccc ctcccccgag 180
 catcgagaca agatgctgcc cgggctcagg cgctgtctgc aagctccccg ctcggcctgc 240
 ctctgtctga tgctcctggc cctgccccctg ggggccccca gctgycccat gctctgcacc 300
 tgctactcat ccccgcccac cgtgaagctg ccaggccaac aacttctcct ctgtgccgct 360
 gtccctgccca ccagcactc agcgactctt cctgcagaac aacctcatcc gcacgctgcg 420
 gncaggcacc tttgggtcca acctgtctac cctgtggctc ttctccaaca acctctccac 480
 catctacccg ggcactttcc gccacttgca agccctggag gatctggacc tcggtgacaa 540
 ccggtacctg cgctcgctgg agcccgcacac ctccarggc ctggagcggc tgcagtcgct 600
 gcatttgtag cgtgccagct cagcarcstg cccggcaaca tcttcgagg cctggtcagc 660
 ctgcagtacg tctacctcca ggagaacagc ctgctccacn tacaggatga cttgttcgag 720
 gacttgacca acctgagcca cctcttcctc cacggganag cctgcggctg ctcacagagc 780
 acgtgtttcg cggcctgggc agcctggacc ggctgctgct gcacgggaac cggctgcagg 840
 gcgtgcaccg cgcgcccttc cgcgccctca gccgcctcac catcctctac ctgttcaaca 900
 acagcctggc ctggtgccc ggcgaggcgs tcgccgacct gccctcgctc gaggtrctgc 960
 ggctcaacgc taacccttg gctgctgact gccgcgcgcg gcc 1003

<210> 59
 <211> 702
 <212> DNA
 <213> Homo sapiens

<400> 59
 gaattcggca cgagctgggt catggatttt gagaatcttt tctcaaaacc ccccaacccg 60
 gccctcggca aaacggccac ggactctgac gaaagaatcg atgatgaaat agatacagaa 120
 gttgaagaaa cacaagaaga gaaaattaaa ctggagtgcg agcaaattcc caaaaaattt 180
 agacactctg caatatcacc aaaaagtctg ctgcatagaa aatcaagaag taaggactat 240
 gatgtatata gtgataatga tatctgcagt caggaatcag aagataattt tgccaaagag 300
 cttcaacagt acatacaagc cagagaaatg gcaaattgct ctcaacctga agaattctaca 360
 aagaaagaag gagtaaaaga taccacacag gctgctaaac aaaaaataa aaatcttaaa 420
 gctggtcaca agaattggcaa acagaagaaa atgaagcgaa aatggcctgg ccctggaaac 480
 aaaggatcaa atgctttgct gaggaacagc ggctcacagg aagaggatgg taaacctaaa 540
 gagaagcagc agcatttgag tcaggcattc atcaaccaac atacagtgga acgcaaggga 600
 aaacaaattt gtaaataattt tcttgaaagg aaatgtatta agggagacca gtgtaaattt 660
 gatcatgatg cagagataga aaaaaaaaaa aaaaaaactc ga 702

<210> 60
 <211> 1095
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (107)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (202)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (556)

<400> 62

```
<210> 63
<211> 1448
<212> DNA
<213> Homo sapiens
```

```
<210> 64
<211> 756
<212> DNA
<213> Homo sapiens
```

<400> 65						60
ccgtgatgtg	gcgcctgcac	antcctttcc	ctttcggatt	cccgcagctg	tggttgctgt	120
aaggggtcct	ccctgcgcc	cacggccgtc	gccatggtga	agctgagcaa	agaggccaag	180
cagagactac	agcagctctt	caaggggagc	cagtttgcca	ttcgtggggg	ctttatccct	240
cttgtgattt	acctgggatt	taagaggggt	gcagatcccg	gaatgcctga	accaactgtt	300
ttgagcctac	tttggggata	aaggattatt	tggtcttctg	gatttgagg	caatcagcgg	360
acagcatgga	agatgtgtgc	tctggctcgg	ataagagatg	ggacatcatt	cagtcactag	420
ttggatggca	caaggctctt	cacagacgca	tctgtagcag	agtggawctt	gtactaactt	480
atgatagaat	gtatcagaat	aaatgttttt	aacagtgtwa	aaaaaaaaaa	rnaggrgng	496
aqtgggtggg	gtngag					


```
<220>
<221> SITE
<222> (16)
<223> n equals a,t,g, or c
```

[illegible]

```
<210> 67
<211> 674
<212> DNA
<213> Homo sapiens
```

[illegible]

```
<210> 68
<211> 794
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> SITE
<222> (345)
<223> n equals a,t,g, or c
```

[illegible]

```
<210> 69
<211> 1915
<212> DNA
<213> Homo sapiens
```

```
<210> 70
<211> 733
<212> DNA
<213> Homo sapiens
```

<220>
 <221> SITE
 <222> (3)
 <223> n equals a,t,g, or c

<400> 70
 gcnggtggcg gccrcrtcgt agaactagt gatccccckg ggctgcagga attcggcacg 60
 agggcggtt catcatgaag caaacgcggc tgaaccccc agtgggtctt attcttctcc 120
 aaccctttc aagaccagg gatgggctca gcaattctgt ttttaataatt ttgcattctg 180
 tcccttaaat cataaagaga gcccccaatc tgtaaagctt ctgatccac acaacctctc 240
 agggctccag ggtcctgagg aggatggcca ggtcactgtg ggctgtggt ggagccagcg 300
 ggcaccagg gcttcctggt gggccaggtc cctggtcata gactgagcca gammagcacc 360
 agcytccgat ctccaggccc ctgcggtgag ggccccaatg cccctgataa ggctctgctc 420
 ctaaagggt gttggccttg aacaagctgc tctcctgctt cagtttccam ttcaggatgg 480
 agacatgaat gagagaagtg tccctgaaac tcctgatggc tttccatttc ctgggttctc 540
 gtcttttctg aggttgaatt cttegcctgc tttctctgag atccctcact ttcttgccaa 600
 gaaatttctt ctttagtctg ttcagagtga agtgcaaatc aaaataaaaa agtgcaagtt 660
 caaagtgcaa tcaaaacaaa caaacaact ttggctaagg caaaaccaa ccaaaaaaaa 720
 aaaaaaaaaa ctc 733

<210> 71
 <211> 1266
 <212> DNA
 <213> Homo sapiens

<400> 71
 cccatgtcgg ccctgaggcg ctggggctac ggccccagtg acgggtccgtc ctacggccgc 60
 tactacgggc ctgggggttg agatgtgccg gtacaccac ctccaccctt ataccctctt 120
 cgccctgaac ctccccagcc tcccatcttc tggcggtg gcggggggcg cccggcgagg 180
 accacctggc tgggagaagg cggaggaggc gatggctact atccctcggg aggcgcctgg 240
 ccagagcctg gtcgagccgg aggaagccac cagagtttga attcttatac aaatggagcg 300
 tatggtccaa catacccccc aggccttggg gcaaatactg ccttcatact caggggctta 360
 wtatgcacct ggttatactc agaccagtta ctycacagaa ttccaagtac ttaccgttca 420
 tctggcaaca gcccaactcc agtctctcgt tggatctatc ccagcagga ctgtcagact 480
 gaagcamccc ctcttagggg caagggtcca ggatatccgc cttcamagaa mcctggaatg 540
 amcctgcccc attatcctta tggagatggt aatcgtagt ttcacaatc aggaccgact 600
 gtacgaccac aagaagatgc gtgggcttct cctggtgctt atggaatggg tggccgttat 660
 ccctggcctt catcagcgcc ctccagacca cccggcaatc tctacatgac tgaagtactt 720
 caccatggcc tagcagtggc tctccccagt caccctctt accccagtc cagcagccca 780
 aggattcttc ataccctat agccaatcag atcaaagcat gaaccggcac aactttctct 840
 gcagtgtcca tcagtaagaa tctcgggga cagtgaacaa tgatgattca gatcttttgg 900
 attcccaagt ccagtatagt gctgagcctc agctgtatgg taatgccacc agtgaccatc 960
 ccaacaatca agatcaaagt agcagtcttc ctgaagaatg tgtaccttca gatgaaagta 1020
 ctctcccgag tattaataaa atcatacatg tgctggagaa ggtccagtat cttgaacaag 1080
 aagtagaaga atttgtagga aaaaagacag acaaagcata ctggcttctg gaagaaatgc 1140
 taaccaagga acttttgga ctggattcag ttgaaactgg gggccaggac tctgtacggc 1200
 aggccagaaa agaggctgtt tgtaagattc aggcatact ggaaaaaaa aaaaaaaaaa 1260
 actcga 1266

<210> 72
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 72
 gaattcggca cgagtaccct gttctaatac agttcagtgt gtcttataga aaatcattta 60

0974639 020101

tcttttgcct	ccctgaaatg	attttaactt	tttgtgtttt	tctccttttc	tcattttcata	120
atgcaattaa	atctacccct	tttctcaa	at	tttaaaaa	catgaataaa	180
cttaagggtca	aacacaaatg	gagtggtgta	ggctggtcat	ggtgggtgac	acctataatc	240
ccaacactgt	gggaggccga	ggcaggtgga	tcacttgagc	tcacaagttt	cagagccgcg	300
tgagcaacat	ggcaaaaccc	cgtctctaca	aaagaataaa	aaacttagcc	aggcatggta	360
gctactcagg	gaggatggct	tgagcctggg	aggcagtggt	tgcaatgagc	caagatcgca	420
ccactgcact	ccagcctggg	stataaagcc	agaacttgtc	tcaaaaaaaaa	aaaaaaaaaaa	480
ctcga						485

<210> 73
 <211> 639
 <212> DNA
 <213> Homo sapiens

<400> 73						60
gaattcggca	cgagtattaa	gtcaaattgc	tgtattctac	gtgttagagt	gagttcaaaa	120
gatccattgt	attactgaat	aggcaaaagt	tttaatttca	gaggatgaaa	ctgatataat	180
actgccacct	tgtggatatt	ctgttattac	aggctattat	aaaargcaat	gcgggtatgt	240
aatctgttct	aacaagaagc	atttcctttt	tttgtcgttt	ttattattgt	tattattaca	300
ttttaagttc	tgagatacat	gtacagaacg	tggagggttg	ttacataggt	atacacatgc	360
catggtgggt	tactgcaccc	atcaaccat	catctacatt	aggattttct	cctaattgcta	420
tccctcccc	agcctccac	cccttgacag	gccccgggtat	gtgatgttcc	cctccctgtg	480
tccatgtgtt	ctcattgttc	aactcaaaag	aaaaacagaa	gcattttctg	ctttcccaat	540
ttcttaaata	caatgcaact	ttatgtttta	tttaactaac	ttaatttttt	gagacaaggt	600
ctagctctgt	tgcccaggct	ggagtggcgt	ggcgtgaata	tggttcagtg	aaacctccac	639
ctccctgggt	caagtgatcc	tccttcctca	gcctctcga			

<210> 74
 <211> 532
 <212> DNA
 <213> Homo sapiens

<400> 74						60
atggctgctt	tcaaccggaa	cgcgccatc	cttcaagatc	aagaccatt	ccatagttca	120
acaagttagt	ggtgatgata	gagtgcctg	actgggccag	aacagcctct	ttagccaaac	180
agcgcaggaa	agtctttaa	cagatgctca	gtcctttct	tcattttcac	tttaattcca	240
tgatgectct	gtgtccctct	gacgacatct	ctcctggggt	ctgggactct	gctggtcttc	300
catgcctact	gagaaggctt	cctggccatc	atcaggcagg	aaaacctcaa	agccctccgt	360
cctcaacgtg	ggatccctgg	gccagcagca	tcagcctcac	caggaaacct	gttcttctgc	420
tcattcttgg	gccccacccc	aggcctattc	aaagaaagac	tccaggggca	gcgcttggca	480
gcctgtgttt	ccaccagatc	tgtgtgaaaa	ctcaaataaa	ccagcccagg	tgatgtgacg	532
caggaagtgc	aaggctgaga	gccagtgtct	aaggcaacct	cgtgccgaat	tc	

<210> 75
 <211> 514
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (507)
 <223> n equals a,t,g, or c

<400> 75
 aggagacgt agaactagt gatcccmgg gctgcaggaa ttcggcacga gccccagcta

60

```
<210> 76
<211> 644
<212> DNA
<213> Homo sapiens
```

<400>	76							
t	c	g	a	g	t	t	t	60
a	a	t	g	t	g	c	a	120
c	c	g	t	c	a	t	c	180
c	t	t	t	c	c	c	a	240
t	c	a	t	a	g	t	a	300
t	a	a	c	a	t	a	c	360
c	a	c	t	t	g	t	a	420
g	t	c	c	a	g	t	c	480
g	c	t	a	c	t	c	t	540
g	g	a	c	a	t	t	c	600
g	c	c	a	g	g	g	a	644

```
<210> 77
<211> 1199
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> SITE
<222> (469)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (582)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (630)
<223> n equals a,t,g, or c
```

[illegible]

gttacaggct	gtaatcctaa	attaggggtt	caatcttgtc	tgcacactaa	ggtagggttg	540
agttcgtcca	caaggactta	aatacagaag	tatggagtcc	tnctcaggcc	atatttagtt	600
tgctttaaca	aggcatagca	gtgataagtn	ccagagagag	gtggtcagca	cgattcatca	660
ctgtcctcag	acaagaagag	gatgaggagg	gatgagccat	ttgtgcctat	tttgkacctt	720
tttggcaaag	tcatgattac	ttagtcatgt	wacatgtaac	ttagcatgac	ccatgggtac	780
agaaactagg	tttaattttt	ttatccaaca	gtgamgtttt	ccatacttca	ctcaagtact	840
tagtaattgc	tgtagctttg	cttcattgca	gcggtttcat	agatcatggc	tgttgttcat	900
cgcttgtggc	gtgcctggga	aatcaatagc	taaaaaygtt	ttgtgaacc	ttagtagttg	960
ttacctgggt	aggtttggaa	tgttccagga	gaattaatga	acamtcagg	gatmgtttt	1020
tcattttaca	gggaataata	agcaaagtcg	tgtttggaag	tgtgattcta	tcaaactctg	1080
ttataaataa	gtgcatat	gccatttaaa	gtaattttt	tatctgtgac	ttgggcttca	1140
tgggattagc	tataatgaca	cgtctgggag	tctcctcaca	attagaatga	aatcctcga	1199

<210> 78
 <211> 660
 <212> DNA
 <213> Homo sapiens

<400> 78						60
gaattcggca	cgagcagagg	cccggtagct	ttaagctcta	cctcgccaat	gccctctcgc	120
ctagtaatcc	gtgcacacag	cctgctgttt	gccatgcaga	atgatggcct	caagttcatg	180
gaaatgggtg	tccatgtcct	tcaggcaagt	ataggtgttc	tgttgcttat	ggtggatgtg	240
ctcgagcatt	ttcttgccat	gctcattggc	aatgcagggg	ctcctttgcc	actgctggat	300
gtgctgggga	aggatgttat	tgatgtggct	gaaagaagag	agagcaagaa	atgaaatggg	360
tagatgggga	catcagagga	atgagaaaga	tgagctacca	aatgggtgact	ctatagggta	420
ctgagtggtg	gatgagtgc	cgttgggtga	tgggtgggtg	aacagtggac	gggtgggtgg	480
atgggtggag	gggcaggtgg	gtgagtggtg	ataagggtgg	atgagcaggt	gggtgagtg	540
ctatgagggg	gaatgagcag	gtggatgagt	ggctataagg	gtggatgagc	atcctgggtg	600
atgtaatgtg	gatgggcagt	tcagtgagt	ggtgactatg	acgggtggatg	ggtgggtggc	660
tgagtggga	tacagatggc	atagatcaca	ccttactttg	cctttgtccc	taaacctcga	

<210> 79
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 79						60
tcgagccccg	gctggcgggc	ctggctgctg	ggtctttgtc	ttctagggtc	ctctttctcc	120
caagaagggc	taagtggatc	ctgtgaaggg	agggatgcag	tggggggaag	gagctggccc	180
cagctggggt	tacattctca	gctgggacag	cagagcctca	ctgtgtatgt	gtgcagccag	240
cagataacctg	tgcacaggca	cagaccacc	aactcgtggg	gacacttcaa	caccgcacaa	300
agccattttg	ccactagacc	catgccccca	aattagcaga	actgctcgtg	cgaattcct	360
gcagcccggg	ggatccacta	gttctagagc	ggccgccacc	gcgggtggagc	tccagctttt	420
gttcccttta	gtgaggggta	atttcgagct	tggcgtaatc	atgggtcatag	ctgtttcctg	480
tgtgaaattg	ttatccgctc	acaattccac	acaacatacg	agccggaagc	ataaagtgtg	524
aagcctgggg	tgccaatga	gtgagctaac	tcacattaat	tgcg		

<210> 80
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 80						60
gaattcggca	cgagcggcac	gagctcgtgc	cgaattcggc	acgagatttc	atgggcagtg	120
tctggaactg	ccttttagca	ttacttgaaa	aacattta	tactttgtac	aaattaataa	

```
<210> 81
<211> 735
<212> DNA
<213> Homo sapiens
```

```
<210> 82
<211> 722
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> SITE  
<222> (717)  
<223> n equals a,t,g, or c
```

[illegible]

<210> 83
 <211> 785
 <212> DNA
 <213> Homo sapiens

<400> 83
 gaattcggca cgagcttggt cacactcagt aaacacatta gttgaattcc tctgattgtc 60
 aattagcaat ggttttgcca agaatactgg tattgatgct gtttttagca ctgaaaaatc 120
 ctgtgggaga aatgaggaat ttaacacatt gtaggtgtta agattcctgg gtgtctgaca 180
 gtatccctgg aaccattatc attaatatc ttttcaatca gaaaggcaaa ctactttgct 240
 gttaggcttc cagatgaggt tttttgaaaa aacagtaaga taataaaggc ttggattgct 300
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 gaaatgattc tcttcctcag tcaccatcta tctatgcccc caggtttgac tcgctctttt 480
 cccaaggagt gctgttcatt cctgacacaa gggagaccag aaaagagatc atgaatgaca 540
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 ttttcctttg tatctgtgta agttgaatca taaaaaattg tcatttttgt gattcaaaag 660
 tgtaaaacaa aagcaagttc atatgattca agcttacatt tttttctcac tataagaaag 720
 aggatttaaa gaattgtatt aggttagcga atctgatttc tttcatgcaa atacagctcc 780
 tccga 785

<210> 84
 <211> 570
 <212> DNA
 <213> Homo sapiens

<400> 84
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 cctcagagtt gaattagaga aaacgacatg gacacacgtg gagtgggttt aaggagcgga 120
 gagtttaata ggcaagaagg aaggggagaag acagaaggaa gaagctcctc catatggaga 180
 cagagggagg ggggctccaa agccaaaaga ggaggtcccc aagtgcagtg gacaccagcc 240
 aagtatatat gcagaggetg gaaggggcca tgtctgattt acatagggtc caggggattg 300
 gtttgaccac gcatgttatt cacatagccc actaaaaagc tggctctccc accctagtct 360
 tttaatatgc aaatgcaggg agccatggat gttctacaca tgtggggata tttggggatg 420
 ttctacacat gtggggcggc catgttgcca ggaacatgtg aggcaagggt aagaaggcct 480
 tgggaattgc catgttggtt ggaccagtt tctaattggc tgcatttgca tatcaaagg 540
 tgctcgtgcc gaattcctgc agcccggggg 570

<210> 85
 <211> 905
 <212> DNA
 <213> Homo sapiens

<400> 85
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 aactgatcta gtttatcact ctcttatctc tacaatttat ctttactca aagaactaaa 120
 gttatcttcc aaaaacacag aatgaatcag ctactctcc tcaagactct taaatgggtcc 180
 ttcattactt gttgagaaaa gccagactt gtttagtgga gcaattaaac tccccacaat 240
 ttatctgcca gaagactttc tggaaccatg tatgggtttt ttgccctcca acttacagtc 300
 ttattgggtc attatttttt tctcatcatg ccacacattt ttgtgtcagg taatttttagt 360
 cttttggcct tgtttctact atcagccaac ttcatagttg aagtccagag ttggttggtg 420
 ttggttggtt tttttatcka tttaggtagg agttacaatt tttatttgct ttgtgacagc 480
 attattttct gacacatttt ctctcatatt ttttaaagag tttctttttt aaacctatgt 540
 tattcaagggt taaacaaata acgagtttct ttggttggtt gttatgctta cacttacttg 600


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<210> 86
<211> 706
<212> DNA
<213> Homo sapiens
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```
<210> 87
<211> 1544
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (8)
<223> n equals a,t,g, or c
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<400> 87								
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atgtgggaaa	atgtaaaagc	agggatatca	gtgggcatta	gaataaaaac	tagggataca			120
ataacttctt	tgcataatgac	aataacttatt	tgtatataag	agaaagaacg	aaataaacctt			180
tattgaaata	aagatactat	gcaagaaaaat	gtacagttgt	cgaagtggag	aaaatgagga			240
tatattcttg	cagacgagct	ataggtcata	catgaatgtc	tagtgagaca	ttcaaaaattc			300
gtatagggtg	cagagtaatt	tcttattgtg	aggaactgtc	caatgtattg	caagatgttc			360
tgcataacttg	gctctcacat	actaaatgct	agtagcgcc	ccaccccccac	gccagtcac			420
ggtgacaacc	acaaaacccta	tcagatctat	tcaccttttt	cagacgagat	attttgtaac			480
attctctttg	ctgacctgaa	atgactcata	gataatacaa	tctacttaca	cacatgaatt			540
tcttaaaaaa	atcaatttaa	tgccctaact	ctcttattaa	ggagaaatag	aaaagaagaa			600
atttataatg	aaaagaagat	gaatttcatt	atgtaaacgc	tcaggcatga	ctacgctgtt			660
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agaggctact	tcctgtaaac	aagtacagga	aaatgaaact	agacgggtgg	gggacactag			780
aatgaaaacc	agtgttaggg	taaagacaaa	acagactatg	tacataatct	gtatatggga			840

aaagaaagag	cgaaattacc	ttacttaagg	ataataggac	aagacaaatt	acagattgtc	900
tcagagaaaa	caaatgagtt	actctctcgg	acaagctgta	ggtcctacct	aaatgtccag	960
caggacatta	gacagtcgta	cagggtagag	aataattctt	cgttgtgtgg	cactaaccga	1020
cacactgcag	gacatcggtc	tccctggctg	catccactca	gtgctgggag	tagtccccag	1080
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acctactgaa	tatctagcat	ccttagattg	gctcaactgt	tactttccta	aggagtcctt	1200
ctacagaata	ggtcagatct	tggcctccca	aaccctttat	ttttaaaata	ctttgcgcct	1260
tgctttgata	atttgtatta	tgtatccaaa	ctgaaattat	ctgctttctg	cattagaatg	1320
taagccccct	gaggggttag	tcagtctgtc	ttgtttgctg	tgccacgcct	gatgccagc	1380
ccagcagcat	gctttgtaca	ctgatataat	gggttaaattt	tggtgaataa	attaagctca	1440
actatttgta	tttcaatagt	tgagttgtat	tgcttcctgt	tcttcaagct	taatttgaac	1500
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<210> 88
 <211> 840
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (326)
 <223> n equals a,t,g, or c

<400> 88						
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ctggaatggt	gagtgatata	agtgggcaaa	aacaatcatt	agaggctgtt	aaggaacatt	120
tattgtttat	ttggctacct	gtctataaaa	gtacacatga	aggccctaata	agcaaaatat	180
caaattatca	agtgtcttaa	agcagaaaaat	gtcattttgtt	tctcaaaact	gcaccaactt	240
tatataattg	cccttttaata	tatccctagt	ggcccgtaga	atttgcaaaa	tagagcatca	300
aagcttgatt	tacttacagt	tgcacnttgg	cgggatctta	atgaatattg	tttagtacta	360
atgctgagat	ggaatcgtaa	atgtttatag	tgagggaact	acttagaaga	gtggggaggc	420
cagtaatgaa	actgaatcaa	ctgggttctt	caagatggaa	caatatggcc	atattcttgg	480
gcctaacatt	ttgaaaaaatt	ctttttatag	tggaaatttta	tttttaattc	aggtctagat	540
gaatacacat	taagtttagt	tttgcagaat	cttttttttt	ctgcctagct	atcttattac	600
tttccaaggg	cttttgagga	gtaatttggt	tcctggcaat	ttcgatttaa	aatcacctgt	660
ttcttcataa	attgtcatct	tcaaggtaac	actgagaact	ggatctctga	aatctcatgt	720
tttcgagatg	attttttatag	ctgcagacct	gtgggctgat	tccagactga	gagttgaagt	780
tttgtgtgca	tcatcatgtg	ccattaaatg	aaaaaaaaaa	aaaaaaaaacy	cgggggggggg	840

<210> 89
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 89						
gaactastgg	atcccccggg	ctgcaggaat	tcggcackag	gctgcgctcg	gccaggccgg	60
caccatgcgg	cccctgctct	gcgcgctgac	cggactggcc	ctgctccgcg	ccgcgggctc	120
tttgcccgct	gccgaacctt	tcagccctcc	gcgaggagac	tcagctcaga	gcacagcggtg	180
tgacagacac	atggctgtgc	aacgccgtct	agatgtcatg	gaggagatgg	tagagaagac	240
cgtggatcac	ctggggacag	aggtgaaaagg	cctgctgggc	ctgctggagg	agctggcctg	300
gaacctgccc	ccgggacctt	tcagccccgc	tcccagacct	ctcggagatg	gcttctgagc	360
cctggagctg	gagcccagca	gttggaggtg	gtgcacctgc	cagcagcgcc	cacagaacca	420
gccctgtcct	ctcgacttcc	ttccttagct	tcattgtgaaa	taaaagctat	tctgggtcaaa	480
aaaaaaaaaa	aaaaaaaaaa	aaaaactcga				510

<210> 90
 <211> 738
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (14)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (66)
 <223> n equals a,t,g, or c

<400> 90
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 ttcccnnggt cgacccacgc gtccggtcaa taactgtcat agtgaaaatg tggtttttaa 120
 gagtagtagc tacttatggg ggtgtagaaa gaatggcctc tctcttagac aatttcattt 180
 taaacatcat agtcatcttt tgcatagtga ttgactccta tctttgtggg ttcattgtatt 240
 tctttgtgat tgattcccca gtgcctgcct gcagtccatt gcaactctcc caaactttaa 300
 tcctgcagct tcagcccact gctagatatt tccattgatg acctgtcatc tgaaacctag 360
 cattcatcat gtgctgtgtt gtataattgt atgtctgtgt tattgtatta ctttcccaag 420
 taaagttttt gtgtaaggac ttaacactgc tttgaatccc ctgtacctat tatactgctg 480
 tgtacaaagt aggagttaa atacatgtga tcacaatagt cttccattca taactcatca 540
 gcagctcagt ccttcttatg tctagtctca gttcattcag ccaaagctca tttttgtcct 600
 atccaaagta gaaagggttc ttttagaaaa cttgaagaat gtgcctcctc ttagcatctg 660
 tttctgactc ccagttattt ttaaaataaa tgatgaataa aatgccaaaa aaaaaaaaaa 720
 aaaaaaaaaa gggcggcc 738

<210> 91
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 91
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 tttatagttc tctgttgaaa gagcccacag ggaggagagg tgagctgagc atttgaaatt 120
 caggatctgg ttaakgttgt cagctcagtg gatttgagaa tattcacaga taagcaactc 180
 agaaggatca tacttgtatt gtaggcctc aggtattcag gaaatagatc ttctcttggtg 240
 attcaatagc cataatccaa attaaacatc tggcttttcc aatgtgtatt tttgaatgta 300
 tgtgtcattt cttcatagac atatcaaadc attactatgt ggtaagattt tatccagaag 360
 attctcttcc taaaaccttt atatatgacc cttttaaagc ataaaattat tttagggtgtg 420
 agtttttatt atgcaataga aggatacagt ctttaatttt ctacctttaa gctcgtgccg 480
 aattcctgca gcccggggga tccact 506

<210> 92
 <211> 1203
 <212> DNA
 <213> Homo sapiens

6574639.626404

<220>
 <221> SITE
 <222> (1165)
 <223> n equals a,t,g, or c

<400> 92
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 agaaaatcta caattgtcac gtgctgctga acagaaaggg gcagtagtgg ccacttacag 120
 gaagacacat ctgtgtgacg tagagattcc agggcagggg ctatgtgtga aagcaactct 180
 accatgcctg ggcccagttc tgagtcacct gtcagcacac cagcaggcaa gattggtcta 240
 gctgtctgct atgacatgcg gttccctgaa ctctctctgg cattgggtca agctggagca 300
 gagatactta cctatccttc agcttttggg tccattacag gccagcccca ctgggagggtg 360
 ttgctgcggg cccgtgctat cgaaaccag tgctatgtag tggcagcagc acagtgtgga 420
 cgccaccatg agaagagagc aagttatggc cacagcatgg tggtagaccc ctggggaaca 480
 gtgggtggccc gctgctctga ggggccaggc ctctgccttg cccgaataga cctcaactat 540
 ctgcgacagt tgcgccgaca cctgcctgtg ttccagcacc gcaggcctga cctctatggc 600
 aatctgggtc acccactgtc ttaagacttg acttctgtga gtttagacct gccctccca 660
 cccccaccct gccactatga gctagtgtc atgtgacttg gaggcaggat ccaggcacag 720
 ctccccctac ttggagaacc ttgactctct tgatggaaca cagatgggct gcttgggaaa 780
 gaaactttca cctgagcttc acctgaggtc agactgcagt ttcagaaagg tgggaatttta 840
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 gagttgggat tgtaccagct ggactaagct ccagttctag acctcctggc tcattcaaca 1020
 tgcctcccta cctaaataaa agtgcaacac tcagtgcatt tcccagcccc attctcccaa 1080
 gcctgggagt gggcgttaga gtggaggagg ggggaaggaaa aaggaattac ttcacttaca 1140
 cctatgatgc cctttgcca agcngaaga aagcaaaggg gaaaaggggc tgcagggtac 1200
 att 1203

<210> 93
 <211> 710
 <212> DNA
 <213> Homo sapiens

<400> 93
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 ccactgtccc cagcaggatt atcttactat attgtgccac agaataattt attagcgttt 180
 gattggaatt acatagaatt ataaatttgg tatttgtgac tttctgctgg aaatcatgat 240
 accatgaaca ttctgatgtt tgcgtttatg ataattttca tgggagctaa atttcaagaa 300
 gtagaatttt gggtcagagg atatgatcat ttaaaagcaa cattgtttga tcagattggc 360
 agatacttaa agatgggtgg acaggagcca ttgctggcaa aggtttgggt aaggggcact 420
 tgagtatgct gctagtgaac gggaattcta cgcattttgt catagaatct gggaatgact 480
 attaagattt atttattccc tctctaggta aaatccctct ctaggatat aaataaataa 540
 taaataataa ataaataatc agtttcagcc aggcacaatg gctcacacct gtaatccag 600
 cactttggga ggccaaggcc gatggatcac ttgaggtcaa ggagtttgag accagtctgg 660
 ccaacgtggt gaaaccccat ctctactaaa aaaaaaaaaa aaaaactcga 710

<210> 94
 <211> 1750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (34)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1287)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1392)
 <223> n equals a,t,g, or c

<400> 94
 agaaagtgaa agctgtttgc aatnatataa attnctaatt tggaaatcat gacaagcagt 60
 cttaagaaca aagttaaaat taaaaagtct ttatccaagt caccaatgaa acaggattct 120
 gattcattaa tcatgtcttg cccacttttt tcaacaaacc tgacgtccta taatgagcta 180
 tacagtgtga ggcataatttc atagcaacgt tgggttgattg ccaaggagac tctgccaccg 240
 ttctggataa gctcatgttt cccttttctt tggttgctaa tagaagggca acttacagtg 300
 caggggtcaag agcaagaagc tgggggagta gaggtctatac atctagccta ataatagaga 360
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 ttgagttcaa atgataaaac ttgaagttgt aggcttgga gagtatcagc tcagtatatc 480
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 aagggtcttc tatccctgac ttcatctgag tcacaagatt tctctaataa gagaaacttt 600
 gctactctga ggaaaattat cccttatggg agcccccagt tcagaggtaa gaacagttct 660
 ttcacgtgga ggtccaaaat tctggacttc tagaaacaag tgaagtgtgc taaagtctcc 720
 tattttattgt ttctcttcca gtattgtgcc atcgattctt gcataaaatt ctggaatgct 780
 ggctcttcat ggcttttctc tgtaactctg tggatcaatgt catcagtatc gctgtctgct 840
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 ggagataagc tgtcttttggc agtccctgca tccaaggcta cagaacccat atcttttcga 960
 aggcgttcca gttgtttctct ctgctgttgg ctctctgcgt tggccagtga ttttttcaga 1020
 cgttcatatt caggacgata ctccctttca tattcttcgg cagcactggt aacttgca 1080
 aagagttcat ctaatccagt acccagaaca gcagagacac ccaccacct gagtgagctg 1140
 taaaactcat ctaacaccag gtcattgaa cgagtcagggt tatgacgtat gtagtctctt 1200
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 caatgatgtc agtttttatt atgccncaa tgaaagccag cttgggttttg tataagatgc 1320
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 aagctgacca ggtgaatacc tcaatctgtc caggtgtgtc aatcaacaca tatttgagca 1500
 tgttctgggc cttctcaata aatttcatca ccaatattgg caggaaaggg aacttcatgt 1560
 actgctggat ccaggttgat cacatacggg ggagtgctt gggcatgcag gtgtcctgtg 1620
 agcctctgta caaaagtggg tttcccgat cccgccattc ccaacaccaa cagacacact 1680
 ggggtgcccg gacccccaga agcctggagc tcagcggcag ctgcgagcgc cgccatcttc 1740
 ctcttggeaa 1750

<210> 95
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (272)
 <223> n equals a,t,g, or c

<400> 95
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 attacactca tacaattgat gttttatatt aatacaccag agctaccaca caaaacttcc 120
 ttccatgtga aaggctccag ataaaattct gccatccctc ctctcctcat gtccctcctgc 180
 tcagaccac cttcatgccc ctaaaccaat ctgcatcatg cctgtttcag agagtcattg 240
 gaagatgggc agtgccctca ttgtcaccat tccccacac ctctgcacac ttctgcccct 300
 tcccctctag acgccacaac ttcacagtct tactgttgta aatattcctg cacagttagt 360
 aatgatcaaa tgatcctgtg gtcagaggcc tctttggcag tgtcttctta cccttaagaa 420
 aggtcatgaa atccagaagg ggcaaccttt ccaggagagc tttggagtca tttctgtgtg 480
 agacactatt gcataatcct gtaagattgc ttttatattt aaggaatgat gttacttaac 540
 aaatgaacaa aaaaaattgc aaataaattt ttttaacaatg tttaaaaaaa aaaaaaaaaa 600
 actcga 606

<210> 96
 <211> 617
 <212> DNA
 <213> Homo sapiens

<400> 96
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 tcttttttagc ctttctacaa ttttcaaaag aaataattag atggtcgcctg taacatttat 120
 atgaagaaaa tagtttgaga caacctaaat atgtcaatac trgawtaatt attaaaaata 180
 wtcatggccc tgtcatataa twgaatacta tggagtttgg aagaaagcat gatgtagaat 240
 atttaattat atgggaaaat aatcagtaaa tcttttttaa acagaaggta aaactataca 300
 tagttcaata tagtaaagag ggccggggcac agtgctcacg cctgtaatcc cagcactttg 360
 ggaggccaag acaggtggat cacctgaggt tgggagttcc agactagcct ggccaacatg 420
 gctagtctct actaaaaata caaaaatcag ccaggcatgg tagcaggcac ctgtaatcca 480
 agctacttgg caggggaaggc aggagaatta cctgaaccca gaaggcagag gttgcgggtg 540
 gccaaaatca tgccactgca ctccagcctg ggcaccagag tgaaactctg tctcaaaaaa 600
 aaaaaaaaaa aactcga 617

<210> 97
 <211> 634
 <212> DNA
 <213> Homo sapiens

<400> 97
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 gggccagcgc tcatggtggc ctctctgtgc ctcggtggac ctgccccagc agtgggagcc 120
 ataacccctt ccccttctcat tactttactc aggtgggcac cttccctctg aggggtgtctg 180
 ccctcagga actcaaggac tctcagagac accagggcag cctggcccag aggagcaaca 240
 gccaggcccc caggaggaca gccatggaga gaactgagac ccacttacag tggggtctgg 300
 gaaccctgcc tgtacctggg gtycagtcct tcccaactcc ctcttctgtg cttcccccca 360
 gcaaagggtg ggtgaccact tctgtagcta agcacctgct ccccggtctt cttcaccag 420
 gacatctgtc tctctggagt gtctgtctgt ctgtccctcc ctctctgaac ctgcttccctc 480
 cgtgtccctt gctcctcgcc cctgggagcc camtcccmct ccttgcggtt cctccccatc 540
 tcaactcaagg ttctctgagg acattaaagt ggtggattca ccctgaaaaa aaaaaaaaaa 600
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa tcga 634

<210> 98
 <211> 512
 <212> DNA
 <213> Homo sapiens

<400> 99							
tcccccgag	tgncaggaat	tcggcacgag	cagccttcga	agttgatgcg	actgctgagc		60
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ctctcagcct	ctcagctcca	cacggtcaac	atgcgggacc	ctctgaaccg	agtcctggcc		180
aacctgttcc	tgctcatctc	ctccatcctg	gggtctcgcga	ccgctggccc	ccacaccag		240
ttcgtgcagt	ggttcatgga	ggagtgtgtg	gactgcctgg	agcagggtgg	ccgtggcagc		300
gtcctgcagt	tcatgccctt	caccaccgtg	tcggaactgg	tgaagggtgtc	agccatgtcc		360
agccccaaagg	tggttctggc	catcacggac	ctcagcctgc	ccctggggccg	ccagggtggct		420
gctaaaagcca	ttgctgcact	ctgaggggct	tggcatggcc	gcagtggggg	ctggggactg		480
gcgcancccc	aggcgccctc	aagggaagca	gtgaggaaag	atgaggcatc	gtgcctcaca		540
tccgctccac	atgggtcaag	agcctctagc	ggcttccagt	tccccgctcc	tgactcctga		600
cctccaggat	gtctcccggt	ttcttctttc	aaaatttctt	ctccatctgc	tggcacctga		660
ggagtgtgag	caacctggac	cacaagccca	gtggtcacc	ctgtgtgcgc	ccgccccagc		720
ccaggagttag	tcttaacctc	gaggaacttt	ctagatgcaa	agtgtgtata	tgtgtgtgtg		780
tgtgtgtgtg	tgtgtgtgtg	tgtgtttatg	tgtattttgt	aatatgtgag	ggaaatctac		840
cttcgttcat	gtataaataa	agctcctcgt	ggctccctta	aaaaaaaaaa	aaaaaaactc		900

gagggggggc ccgtaccag cttttttccc tttngtgagg ttgg

944

<210> 100
 <211> 2351
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (593)
 <223> n equals a,t,g, or c

<400> 100
 acccacgcgt cgcgcacgcg tccgggtcca ttgccacctg gatgggagaa gagaacagac 60
 agcaatggca gagtatattt cgtcaaccac aacacacgaa ttacacaatg ggaagacccc 120
 agaagtcaag gtcaattaaa tgaaaagccc ttacctgaag gttgggaaat gagattcaca 180
 gtggatggaa ttccatattt tgtggaccac aatagaagaa ctaccaccta tatagatccc 240
 cgcacaggaa aatctgccct agacaatgga cctcagatag cctatgttcg ggacttcaaa 300
 gcaaaggttc agtatttccg gttctgggtg cagcaactgg ccatgccaca gcacataaag 360
 attacagtga caagaaaaac attgtttgag grttcctttc aacagwtawt gagcttcagt 420
 ccccaagatc tgcgargacg tttgtgggtg atttttccag gagaagaagg tttagattat 480
 ggaggtgtag caagagaatg gttctttctt ttgtcacatg aagtgttgaa cccaatgtat 540
 tgcctgtttg aatatgcagg gaaggataac tactgcttgc agataaaccg cgnttcttac 600
 atcaatccag atcacctgaa atattttcgt tttattggca gatttattgc catggctctg 660
 ttccatggga aattcataga cacgggtttt tctttaccat tckakaagcg tatcttgaac 720
 aaaccagttg gactcaagga tttagaatct attgatccag aattttacaa ttctctcatc 780
 tgggttaagg aaaacaatat tgaggaatgt gatttggaaa tgtacttctc cgttgacaaa 840
 gaaattctag gtgaaattaa gagtcatgat ctgaaaccta atgggtggcaa tattcttgta 900
 acagaagaaa ataaagagga atacatcaga atggttagctg agtggagggt gtctcgagggt 960
 gttgaagaac agacacaagc tttctttgaa ggctttaatg aaattcttcc ccagcaatat 1020
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 ttgaatgact ggcaaagaca tgccatctac cgtcattatg caaggaccag caaacaatc 1140
 atgtggtttt ggcagtttgt taaagaaatt gataatgaga agagaatgag acttctgcag 1200
 tttgttactg gaacctgccc attgccagta ggaggatttg ctgatctcat ggggagcaat 1260
 ggaccacaga aattctgcgt ykaaaaagtt gggaaagaaa attggctacc cagaagtcac 1320
 acctgtttta atgcctgga cctgccacca tacaagagct atgagcaact gaaggaaaag 1380
 ctgtttgttg ccatagaaga aacagaagga tttggacaag agtaacttct gagaacttgc 1440
 accatgaatg ggcaagaact tatttgcmtat gtttgtcctt ctctgcctgt tgcacatctt 1500
 gtaaaattgg acaatggctc ttttagagagt tatctgagt taagtaaatt aatgttctca 1560
 tttagattta tctcccagtg atttctactc agcgtttcca gaaatcaggt ctgcaaatga 1620
 ctagtcagaa ccttgcttaa catgagattt taacacaaca atgaaatttg ccttgtctta 1680
 ttccactagt ttattccttt aacaacaata ttttatgtgt gtcaaaaagtc tcaactggga 1740
 gtagtgtttt tttcttttag acattctgca gacatgcagg gaagtccttt ggtaactgca 1800
 atatacaaga ttttctatt aagcctcttg gtaagaggca tttgttaaaa gtgcaagctt 1860
 actcctgctt ctggggatgt gagcaaaatc gggcttgtgt tctccctctc attttagtct 1920
 gacttgacta ttgtttttcc tttctggcgc atgaatccat acatcattcc tggaagttag 1980
 gcaagactct tgcactctca caaagtagtt ttgtcaattt gaattcaggg aaaagttggg 2040
 cacagcctgc aaatgacttc atttgaagt ctgattgttt cagttgcctg acaaatacta 2100
 cactttacaa acaatgttaa cactgtgatt ccttcattgt ttaagaagt taacctaggg 2160
 ccgggcatgg tggctcatat ctgtaatcct agcactctgg gagcccgagg caggaggatc 2220
 cctttagccc aggagttaaa gaccagcctg ggcaacatag ggagaccctg tctttttttt 2280
 gggcagcgtg gtgggggata aataaaaaaa aaaaaaaa actcgagggg gggcccgctac 2340
 ccaatgcct g 2351

<210> 101
 <211> 776

<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (775)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (776)
<223> n equals a,t,g, or c

<400> 101

aatgaaggct	ttgtggacaa	catgacgctg	agtggcccag	acttggagct	gcatgcctcc	60
aacgccaccc	tcctaagtgc	caacgccagc	caggggaagt	tgcttccggc	ccactcaggc	120
ctcagcctca	tcatcagtga	cgcaggccct	gacaacagtt	cctgggcccc	tgtggccma	180
gggacagttg	tggttagccg	tatcattgtg	tgggacatca	tggccttcaa	tggcatcatc	240
catgctctgg	ccagccccct	cctggcacc	ccacagcccc	aggcagtgtc	ggcgccctgaa	300
gccccacctg	tggcggcagg	cgtgggggct	gtgcttgccg	ctggagcact	gcttggcttg	360
gtggccggag	ctctctacct	ccgtgccccg	ggcaagccca	tgggcttttg	cttctctgcc	420
ttccaggcgg	aagatgatgc	tgatgacgac	ttctcacctg	ggcaagaagg	gaccaacccc	480
accctgggtc	ctgtccccc	ccctgtcttt	ggcagcgaca	ccttttgtga	acccttcgat	540
gactcactgc	tggaggagga	cttccctgac	acccagagga	tcctcacagt	caagtgcaga	600
ggctggggct	gaaagcagaa	gcatgcacag	ggaggagacc	acttttattg	cttgtctggg	660
tggatggggc	aggaggggct	gagggcctgt	cccagacaat	aaaggtgccc	tcagcgggatg	720
tgggccatgt	caccaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaann	776

<210> 102
<211> 1065
<212> DNA
<213> Homo sapiens

<400> 102

gaattcggca	cgagagggtc	agggaggctg	ccccaggcc	tgtatatatta	acccctatgt	60
accaggagta	atgaatagta	ataattctat	ttatgtaagt	tatgatgacg	ggtcaggtag	120
agtgagctgg	ggagggaagt	ggatccattt	ctgctaagga	aattctagtc	aaatgcatct	180
ctgtatagac	aaaatgttag	tggagaagat	cttgtaata	gaatgtctat	catcagaatc	240
tcagttagata	gggtttctct	tgtaatgaag	tctctacaaa	ttgggttagc	tacatctctg	300
ctaaacagtt	gatgggggat	ctcttgatta	gggggatccc	taatatcccc	agccccagcc	360
agaagctgtg	aaacctcaag	tcctatggag	gggagaagga	ctggaatgta	ccccatctyc	420
cttgactgma	gagcagggtc	ctccactgcc	ccaccctta	gacaccatgm	ccccatcagg	480
ttaatcccc	gttgccatgg	ttatggagac	ttgcagctgc	catcttagat	gtgctctttg	540
gggaagccca	tctaacagga	ggacattggt	ttgggggtgc	acctcctgaa	gaatgggtgg	600
ggaaggcttt	ctctaggatc	agattcaa	aaatcaagta	tgtattgagt	gcctactctg	660
tgcaaggcac	tatgctagat	ctggtgccta	gaagccctga	gaaagaactt	aaagagctag	720
gaggacagag	gcccccaagc	tgatctggtg	gtgcatccac	gcacccccac	cctgggactt	780
tggatgctcc	catctccacc	tccagtgact	tttaaagccg	cttcgtgcct	ttcctgtaac	840
gttgatcct	ccttttctgt	cccctgctgt	ctcaaggccc	caagttaaag	ggttaaagcc	900
gctggagctt	ggggagagaa	cattgtggaa	tgggaaggat	catgcccttt	gtggagtctt	960
tttttttttaa	tttaataaat	aaaagttgga	tttgaaaaaa	aaaaaaaaa	aaaaaaaaa	1020
aaaaaaaaa	ctcgcagggg	gggcccgtac	ccgaatcgcc	ctatg		1065

<210> 103
<211> 687
<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (657)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (660)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (664)

<223> n equals a,t,g, or c

<400> 103

aaaccagctt	ttgccctgat	tacgccangc	tcgnaattam	cctcactaaa	gggancaaaag	60
ctggagctcc	accgcggtgg	cggccgctct	agaactagt	gatcccccg	gctgcaggaa	120
ttcggcacga	gcagaaaaca	acatggaagc	caagtctcta	ggaaatgcac	cctgtgggca	180
ctacacattc	aagttccccc	aggcaatgcy	gacagagagt	aacctcggag	ccaagggtgt	240
cttcttcaaa	gcactgctat	taactggaga	cttttcccag	gctgggaata	agggccatca	300
tgtgtgggtc	actaaggatg	agctgggtga	ctatttgaaa	ccaaaatacc	tggcccaagt	360
taggaggttt	gtttcagacc	tctgatgggc	cgagctgcct	gtggacgggtg	ctcagacaag	420
tctgggatta	gagcctcaag	gacatttgt	gattgcctca	cattttgcagg	taatattcaag	480
cagcaaaacta	aattctgaga	aataaacgag	tctattacaa	aaaaaaaaaa	aaaaaactcg	540
aggggggggcc	cggtacccaa	tttcgcccta	tagtgagtcg	tattacaatt	cactggccgt	600
cgttttacaa	cgtcgtgact	ggggaaaccc	tggcgttacc	caacttaatc	gccttgnagn	660
aacntcccct	ttcggcagct	ggggtaaa				687

<210> 104

<211> 804

<212> DNA

<213> Homo sapiens

<400> 104

gaattcggca	cgagattttc	ttcatgcagt	attctcagat	tggaaacatg	cttcatgttt	60
cttataaaata	accctcaatt	atgagggcgt	acttttctact	ttgaagaaaa	ttgacttgca	120
ttaaagtggc	taacaattct	ttcctgggca	ggatgtaaaa	ttttcctctc	ctctaatacc	180
agtactgttg	agctcacatt	ctcccacttt	tcctcttttc	aggtgggttca	cgtatttggg	240
attttatgaa	acctcagaag	cagacatgtt	aacttttctt	atctttttat	tccttgaggt	300

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<210> 105
<211> 373
<212> DNA
<213> Homo sapiens
```

```
<210> 106  
<211> 687  
<212> DNA  
<213> Homo sapiens
```

```
<210> 107
<211> 37
<212> PRT
<213> Homo sapiens
```

<400> 107
Met Glu Val Leu Phe Asp Ser Leu Leu Phe Ser Ser Phe Ile Phe Pro



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<210> 108
<211> 457
<212> PRT
<213> Homo sapiens
```

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<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids
```

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<220>
<221> SITE
<222> (169)
<223> Xaa equals any of the naturally occurring L-amino acids
```

<400> 108
Met Val Thr Cys Thr Cys Leu Pro Asp Tyr Glu Gly Asp Gly Trp Ser
1 5 10 15

Cys Arg Ala Arg Asn Pro Cys Thr Asp Gly His Arg Gly Gly Cys Ser
20 25 30

Glu His Ala Asn Cys Leu Ser Thr Gly Leu Asn Thr Arg Arg Cys Glu
35 40 45

Cys His Ala Gly Tyr Val Gly Asp Gly Leu Gln Cys Leu Glu Glu Ser
50 55 60

Glu Pro Pro Val Asp Arg Cys Leu Gly Gln Pro Pro Pro Cys His Ser
65 70 75 80

Asp Ala Met Xaa Thr Asp Leu His Phe Gln Glu Lys Arg Ala Gly Val
85 '90 95

Phe His Leu Gln Ala Thr Ser Gly Pro Tyr Gly Leu Asn Phe Ser Glu
100 105 110

Ala Glu Ala Ala Cys Glu Ala Gln Gly Ala Val Leu Ala Ser Phe Pro
115 120 125

Gln Leu Ser Ala Ala Gln Gln Leu Gly Phe His Leu Cys Leu Met Gly
130 135 140

Trp Leu Ala Asn Gly Ser Thr Ala His Pro Val Val Phe Pro Val Ala
145 150 155 160

Asp Cys Gly Asn Gly Arg Val Gly Xaa Val Ser Leu Gly Ala Arg Lys
165 170 175

[illegible]

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<210> 109
<211> 103
<212> PRT
```

<400> 109

Asp His Glu Leu Arg Ala Leu Asp Glu Asn Gln Arg Leu Ala Lys Lys
20 25 30

Lys Ala Asp Leu His Asp Glu Glu Asp Glu Gln Asp Ile Leu Leu Ala
35 40 45

Gln Asp Leu Glu Asp Met Trp Glu Gln Lys Phe Leu Gln Phe Lys Leu
50 55 60

Gly Ala Arg Ile Thr Glu Ala Asp Glu Lys Asn Asp Arg Thr Ser Leu
65 70 75 80

Asn Arg Lys Leu Asp Arg Asn Leu Val Leu Leu Val Arg Glu Lys Phe
85 90 95

Gly Asp Gln Asp Val Trp Ile Leu Pro Gln Ala Glu Trp Gln Pro Gly
100 105 110

Glu Thr Leu Arg Gly Thr Ala Glu Arg Thr Leu Ala Thr Leu Ser Glu
115 120 125

Asn Asn Met Glu Ala Lys Phe Leu Gly Asn Ala Pro Cys Gly His Tyr
130 135 140

Thr Phe Lys Phe Pro Gln Ala Met Arg Thr Glu Ser Asn Leu Gly Ala
145 150 155 160

Lys Val Phe Phe Phe Lys Ala Leu Leu Leu Thr Gly Asp Phe Ser Gln
165 170 175

Ala Gly Asn Lys Gly His His Val Trp Val Thr Lys Asp Glu Leu Gly
180 185 190

Asp Tyr Leu Lys Pro Lys Tyr Leu Ala Gln Val Arg Arg Phe Val Ser
195 200 205

Asp Leu
210

<210> 112
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (110)
<223> Xaa equals stop translation

<400> 112
Met Val Leu Thr Gly Val Arg Leu Met Lys Trp Arg Asp Glu Lys Thr
1 5 10 15

Phe Gly Thr Asp Cys Val Glu Ala Val Ile Leu Leu Val Thr Leu Leu
20 25 30

Trp Glu Lys Lys Glu Ala Phe His Val Gly Phe Ser Glu Glu Leu Gln
35 40 45

Tyr Phe Pro Glu Arg Ser Thr Glu Lys Leu Lys Val Phe Glu Trp Glu

Trp 112 110 PRT Homo sapiens SITE (110) Xaa equals stop translation 112 Met Val Leu Thr Gly Val Arg Leu Met Lys Trp Arg Asp Glu Lys Thr 1 5 10 15 Phe Gly Thr Asp Cys Val Glu Ala Val Ile Leu Leu Val Thr Leu Leu 20 25 30 Trp Glu Lys Lys Glu Ala Phe His Val Gly Phe Ser Glu Glu Leu Gln 35 40 45 Tyr Phe Pro Glu Arg Ser Thr Glu Lys Leu Lys Val Phe Glu Trp Glu

60

Trp Pro Gln Lys Tyr Trp Ala Val Ala Leu Pro Val Tyr Leu Leu Ile
50 55 60

Ala Ile Val Ile Gly Tyr Val Leu Leu Phe Gly Ile Asn Met Met Ser
65 70 75 80

Thr Ser Pro Leu Asp Ser Ile His Thr Ile Thr Asp Asn Tyr Ala Lys
85 90 95

Asn Gln Gln Gln Lys Lys Tyr Gln Glu Glu Ala Ile Pro Ala Leu Arg
100 105 110

Asp Ile Ser Ile Ser Glu Val Asn Gln Met Phe Phe Leu Ala Ala Lys
115 120 125

Glu Leu Tyr Thr Lys Asn Xaa
130 135

<210> 115

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (74)

<223> Xaa equals stop translation

<400> 115

Met Arg Leu Gln Pro Asp Ile Cys Asn Leu Pro Thr Asn Pro Leu Ser
1 5 10 15

Leu Lys Leu Gly Leu Met Leu Leu Ser Leu Thr Leu Cys Leu Glu Lys
20 25 30

Thr Val Gln Gly Leu Lys Leu Gly Leu Cys Leu Phe Lys Leu Ser Phe
35 40 45

Ser Glu His Met Val Cys Pro Thr His Pro Gln Ser Ile Arg Trp Phe
50 55 60

Tyr Phe Met Phe Arg Leu Gln Cys Cys Xaa
65 70

<210> 116

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (88)

<223> Xaa equals stop translation

<400> 116

Met Ala Ala Gly Trp Val Arg Ser Trp Val Val Tyr Phe Leu Val Thr
1 5 10 15

001020554460

Leu Leu Gly Ser Ser Pro Ser Pro Val Ser Leu Thr Glu Gly Lys Lys
 20 25 30

Ile Pro Lys Gly Thr Ala Thr Val Leu Gly Gly Ala Leu Asp Cys Val
 35 40 45

His Leu Asn Phe Gly Pro Ser Phe Asp Val Trp Phe Val Ser His Lys
 50 55 60

Glu Lys Tyr Leu Lys Val Asn Met Met Leu Leu Ala Tyr Tyr Pro Asp
 65 70 75 80

Tyr Cys Met Lys Leu Cys Leu Xaa
 85

<210> 117

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals stop translation

<400> 117

Met Leu Tyr Ile Leu Leu Lys Pro Leu Leu Cys Leu Ser Val Asn Cys
 1 5 10 15

Thr Asn Ile Tyr Gln Met Leu Thr Lys Ser Gln Gly Leu Asp Leu Ala
 20 25 30

Leu Gly Arg Asn Xaa
 35

<210> 118

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals stop translation

<400> 118

Met Trp Trp Trp Leu Met Leu Ala Thr Thr Ala Leu Lys Pro Ile Ala
 1 5 10 15

Thr Ser Ser Ser Cys Thr Glu Ala Leu Pro Gly Leu Trp Arg Asp Arg
 20 25 30

His Trp Gly Asp Trp Thr Arg Gly Ser Gly Trp Glu Val Gly Gln Thr
 35 40 45

Trp Gln His Xaa

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<213> Homo sapiens

<223> Xaa equals stop translation

Ala Gly Ser Leu Pro Phe Gly Cys Leu Ser Leu Leu Gln Pro Thr Glu
20 25 30

Lys Thr Ala Leu Gln Ser Gly Gly Ser Ser Xaa
35 40

<213> Homo sapiens

Gln Val Arg Glu Arg Arg Ala His Ile Pro Gln Met Pro Met Asn Thr
20 25 30

<213> Homo sapiens

<223> Xaa equals stop translation

Phe Val Lys Gly Ser Leu Ile Ser Gly Leu Ser Glu Cys Asp Asn Thr
20 25 30

Ser Leu Lys Ala Ile Leu Gly Phe Ser Asn Tyr Ser Gln Xaa

35

40

45

<210> 122
 <211> 178
 <212> PRT
 <213> Homo sapiens

<400> 122
 Met Ala Lys Val Ala Lys Asp Leu Asn Pro Gly Val Lys Lys Met Ser
 1 5 10 15
 Leu Gly Gln Leu Gln Ser Ala Arg Gly Val Ala Cys Leu Gly Cys Lys
 20 25 30
 Gly Thr Cys Ser Gly Phe Glu Pro His Ser Trp Arg Lys Ile Cys Lys
 35 40 45
 Ser Cys Lys Cys Ser Gln Glu Asp His Cys Leu Thr Ser Asp Leu Glu
 50 55 60
 Asp Asp Arg Lys Ile Gly Arg Leu Leu Met Asp Ser Lys Tyr Ser Thr
 65 70 75 80
 Leu Thr Ala Arg Val Lys Gly Gly Asp Gly Ile Arg Ile Tyr Lys Arg
 85 90 95
 Asn Arg Met Ile Met Thr Asn Pro Ile Ala Thr Gly Lys Asp Pro Thr
 100 105 110
 Phe Asp Thr Ile Thr Tyr Glu Trp Ala Pro Pro Gly Val Thr Gln Lys
 115 120 125
 Leu Gly Leu Gln Tyr Met Glu Leu Ile Pro Lys Glu Lys Gln Pro Val
 130 135 140
 Thr Gly Thr Glu Gly Ala Phe Thr Ala Ala Ala Ser Ser Cys Thr Ser
 145 150 155 160
 Ser Pro Ser Met Thr Arg Ile Pro Arg Ala Ala Val Asp Phe Trp Arg
 165 170 175
 Met Ser

<210> 123
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals stop translation

<400> 123
 Met Gly Ile Met Leu Leu Ser Tyr Ser Asn Gly Thr Val Leu Phe Ile

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 T07020 "6594769"

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15

Phe Val Pro Gln Ile Thr Ser Ser Val Leu Ser Val Phe Cys Ile Val
 20 25 30

Phe Val Gln Asp Ser Leu Gly Phe Ile Ser Val Ile Ser Ala Phe Xaa
 35 40 45

<210> 124

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (68)

<223> Xaa equals stop translation

<400> 124

Met Lys Leu Leu Leu Leu Thr Leu Thr Val Leu Leu Leu Leu Ser Gln
 1 5 10 15

Leu Thr Pro Gly Gly Thr Gln Arg Cys Trp Asn Leu Tyr Gly Lys Cys
 20 25 30

Arg Tyr Arg Cys Ser Lys Lys Glu Arg Val Tyr Val Tyr Cys Ile Asn
 35 40 45

Asn Lys Met Cys Cys Val Lys Pro Lys Tyr Gln Pro Lys Glu Arg Trp
 50 55 60

Trp Pro Phe Xaa
 65

<210> 125

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (75)

<223> Xaa equals stop translation

<400> 125

Met Asp Tyr Ser Arg Ile Ile Glu Arg Leu Leu Lys Leu Ala Val Pro
 1 5 10 15

Asn His Leu Ile Trp Leu Ile Phe Phe Tyr Trp Leu Phe His Ser Cys
 20 25 30

Leu Asn Ala Val Ala Glu Leu Met Gln Phe Gly Asp Arg Glu Phe Tyr
 35 40 45

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Arg Asp Trp Trp Asn Ser Glu Ser Val Thr Tyr Phe Trp Gln Asn Trp
 50 55 60

Asn Ile Pro Val His Lys Trp Cys Ile Arg Xaa
 65 70 75

<210> 126
 <211> 65
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (65)
 <223> Xaa equals stop translation

<400> 126
 Met Thr Lys Glu Asp Lys Ala Ser Ser Glu Ser Leu Arg Leu Ile Leu
 1 5 10 15

Val Val Phe Leu Gly Gly Cys Thr Phe Ser Glu Ile Ser Ala Leu Arg
 20 25 30

Phe Leu Gly Arg Glu Lys Gly Tyr Arg Phe Ile Phe Leu Thr Thr Ala
 35 40 45

Val Thr Asn Ser Ala Arg Leu Met Glu Ala Met Ser Glu Val Lys Ala
 50 55 60

Xaa
 65

<210> 127
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals stop translation

<400> 127
 Met Leu Leu Tyr Tyr Ser Val Met Thr Leu Ser Ser Leu Gly Gln Asp
 1 5 10 15

Pro Ser Leu Pro Thr Phe Ala Asp Arg His Ser Gly Met Trp Arg Gln
 20 25 30

Gln Cys Val Pro Xaa Thr Phe Leu Tyr Pro Pro Ala Val Gly Ser Thr

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45 .

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<210> 128
<211> 31
<212> PRT
<213> Homo sapiens
```

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<400> 128
Met Ser Lys Arg Phe Thr Leu Asp Tyr Leu Phe Leu Ser Glu Ile Val
  1                      5                      10                      15
```

Leu Cys Leu Phe Tyr Tyr Leu Leu Leu Ile Arg Ala Leu Ala Leu
20 25 30

```
<210> 129
<211> 22
<212> PRT
<213> Homo sapiens
```

```
<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals stop translation
```

<400> 129
Met Gln Ile Ile Phe Leu Ala Val Thr Cys Ser Phe Thr Thr Ala Glu
1 5 10 15

Ser Ala Val Ala Arg Xaa
20

```
<210> 130
<211> 49
<212> PRT
<213> Homo sapiens
```

```
<220>  
<221> SITE  
<222> (49)  
<223> Xaa equals stop translation
```

```
<400> 130
Met Gly Phe Ser His Arg Ser Pro Pro Val Ala His Pro Arg Ala Arg
  1             5             10             15
```

Asn Arg Arg Ser Gln Glu Val Val Thr Glu Leu Gly Pro Cys Leu Leu
20 25 30

Leu Cys Thr Leu Leu Val Gln Thr Gly Val Val Gly Ser Gln Ala Leu
35 40 45

Xaa

[illegible]

135

140



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<210> 133
<211> 49
<212> PRT
<213> Homo sapiens
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<400> 133
Met Gly Gln Ser Phe Ser Leu Tyr Met Ile Phe Gln Ile Phe Thr Thr
1 5 10 15

Phe Leu Val Pro Leu Asp Ala Arg His Cys Leu Leu Glu Thr His Trp
20 25 30

Tyr Val Thr Ala Gly Phe Thr Met Glu Pro His Ile His Met Ser Trp
35 40 45

Asn

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<210> 134
<211> 38
<212> PRT
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals stop translation
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<400> 134
Met Trp Gln His Cys Phe Val Ile Leu Phe Val Gln Val Met His Thr
1 5 10 15

Val Leu Ile Lys Gly Ser Asn Lys Tyr Trp Gly Leu Phe Phe Phe Phe
20 25 30

Pro Gln Gly Ile Leu Xaa
35

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<210> 135
<211> 77
<212> PRT
<213> Homo sapiens
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<400> 135
Met Tyr Thr Phe Ile Cys Thr Trp Leu Trp Arg Asp Lys Leu Ile His
      1             5             10             15
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2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812 2813 2814 2815 2816 2817 2

<213> Homo sapiens

<400> 138

Met Phe Ile Phe Arg Asp Gly Leu Thr Met Phe Ser Arg Leu Val Ser
1 5 10 15

Asn Ser Cys Pro Gln Val Ile Leu Pro Ser Trp Pro Pro Glu Ser Leu
20 25 30

Gly Gly Ser Gly Arg Arg Ile Ser
35 40

<210> 139

<211> 47

<212> PRT

<213> Homo sapiens

<400> 139

Met Ser Trp Gly Tyr Phe Leu Gly Ala Ser Val Leu Leu Gln Asn Phe
1 5 10 15

Phe Ser Ser Tyr Leu Leu Thr Pro Ser Gly Lys Ile Ile Glu Glu Val
20 25 30

Thr Val Val Lys Ala Ser Val Asn Ser Ile Ser Lys Asn Phe Met
35 40 45

<210> 140

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals stop translation

<400> 140

Met Pro Gly Ile Phe Ile Leu Phe Met Thr Leu Ala Ser Thr Phe Asp
1 5 10 15

Gln Arg Leu Leu Asn Asp Ser Gln Pro Lys Asp His Ser Xaa
20 25 30

<210> 141

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals stop translation

<400> 141

0974633 020101

Met Ala Trp Val Thr Ser Tyr Gly Pro Leu Glu Asp Glu Ser Asn Pro
 1 5 10 15

Ser His Trp Phe Phe Phe Ala Asn Ser Phe Ala Phe Ile Phe Leu Ile
 20 25 30

Thr Ile Asn Ser Ile Phe His Val Leu Arg Ala Pro Gly Xaa
 35 40 45

<210> 142

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 142

Met Asn Gln Arg Tyr Arg His Lys Ile Lys Asn Tyr Lys Thr Ile His
 1 5 10 15

Tyr Ala Tyr Asp Ser Cys Asn Asn Lys Lys Val Gln Gly Thr Ile Ile
 20 25 30

Ser Tyr Asn Arg Gly Ile Thr Ser His Arg Glu Gln Gln Tyr His Ile
 35 40 45

Ala Gly Ile Tyr Thr Arg Ile Leu Gly Asn Leu Val Trp Ile Tyr Thr
 50 55 60

Arg Ile Pro Gly Asp Pro Val Trp Leu Val Arg Gly Phe Pro Glu Lys
 65 70 75 80

Xaa Ile Ser Glu Ser
 85

<210> 143

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 143

Met Lys Asn Met His Val Tyr Leu Asn Tyr Asn Asn Phe Leu Leu Xaa
 1 5 10 15

Leu Leu Arg Leu Met Leu Asn Ile Cys Ser Phe Thr Gln Pro Leu Val
 20 25 30

Ala Glu Glu Glu Arg Pro Leu Thr Pro Leu

1010241564650

40

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<400> 144
Met Asp Glu Glu Arg Glu Ile Ile Ser His Gly Glu Phe Cys Asn Val
  1                               5                10                15
Ser Arg Glu Arg Asp Trp Val Gly Arg Gln Ala Ser Gln Phe Val Lys
      20                               25                               30
Cys Lys Gly Thr Thr His Arg Thr Leu Ser Leu Thr Arg Ala Val Ser
      35                               40                               45
Tyr Val Val Leu Ser Pro Leu Ala Lys Asp Leu Pro Leu Leu Ala Ser
      50                               55                               60
Asp
  65

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<210> 145
<211> 312
<212> PRT
<213> Homo sapiens
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<400> 145  
Met Ala Ala Gly Val Asp Cys Gly Asp Gly Val Gly Ala Arg Gln His  
      1              5               10                15  
  
Val Phe Leu Val Ser Glu Tyr Leu Lys Asp Ala Ser Lys Lys Met Lys  
          20           25            30  
  
Asn Gly Leu Met Phe Val Lys Leu Val Asn Pro Cys Ser Gly Glu Gly  
        35         40             45  
  
Ala Ile Tyr Leu Phe Asn Met Cys Leu Gln Gln Leu Phe Glu Val Lys-  
       50         55             60  
  
Val Phe Lys Glu Lys His His Ser Trp Phe Ile Asn Gln Ser Val Gln  
     65           70             75                80  
  
Ser Gly Gly Leu Leu His Phe Ala Thr Pro Val Asp Pro Leu Phe Leu  
          85                 90             95  
  
Leu Leu His Tyr Leu Ile Lys Ala Asp Lys Glu Gly Lys Phe Gln Pro  
        100           105            110  
  
Leu Asp Gln Val Val Val Asp Asn Val Phe Pro Asn Cys Ile Leu Leu  
        115           120            125  
  
Leu Lys Leu Pro Gly Leu Glu Lys Leu Leu His His Val Thr Glu Glu  
        130           135            140
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<210> 147
<211> 63
<212> PRT
<213> Homo sapiens
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Met Thr Ser Tyr Ile Ile Asn Leu Ser Phe Phe Leu Pro Leu Ala Thr
1 5 10 15

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<210> 150
<211> 49
<212> PRT
<213> Homo sapiens
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<220>
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<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>  
<221> SITE  
<222> (49)  
<223> Xaa equals stop translation
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<400> 150
Met Leu Pro Leu Met Thr Tyr Ile Ile Gln Tyr Ile Tyr Thr Tyr Ile
1 5 10 15

Xaa Xaa Val Arg Val Leu Ala Ile Leu Phe Leu Arg Arg Val Leu Ser
20 25 30

Gln Thr Leu Leu His Ala Val Tyr Gly Val Ser Cys Val Leu Ile Phe
35 40 45

Xaa

```
<210> 151
<211> 63
<212> PRT
<213> Homo sapiens
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```
<400> 151
Met Val Cys Gly Val Phe Cys Cys Leu Pro Leu Glu Val Leu Pro Phe
  1             5             10             15
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Ser Arg Pro Ile Asn Val Leu Trp Leu Leu Asn Tyr Ser Ser Thr Leu
20 25 30

Gln Cys Thr Gly Phe Pro Pro Gly Val Asn Thr Asn Gly Gly His Leu
35 40 45

Leu Val Phe Leu Glu Val Leu Gly Glu Phe Ser Asp Leu Trp Leu
50 55 60

<210> 152

<211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals stop translation

<400> 152
 Met Ser Ser Gly Leu Phe Leu Val Leu Phe Cys Phe Leu Cys Val Phe
 1 5 10 15

Val Gly Phe Phe Asp Phe His Cys Trp Cys Asp Ile Leu Val Lys Ser
 20 25 30

Ser Xaa

<210> 153
 <211> 211
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (211)
 <223> Xaa equals stop translation

<400> 153
 Met Arg Cys Leu Thr Thr Pro Met Leu Leu Arg Ala Leu Ala Gln Ala
 1 5 10 15

Ala Arg Ala Gly Pro Pro Gly Gly Arg Ser Leu His Ser Ser Ala Val
 20 25 30

Ala Ala Thr Tyr Lys Tyr Val Asn Met Gln Asp Pro Glu Met Asp Met
 35 40 45

Lys Ser Val Thr Asp Arg Ala Ala Arg Thr Leu Leu Trp Thr Glu Leu
 50 55 60

Phe Arg Gly Leu Gly Met Thr Leu Ser Tyr Leu Phe Arg Glu Pro Ala
 65 70 75 80

Thr Ile Asn Tyr Pro Phe Glu Lys Gly Pro Leu Ser Pro Arg Phe Arg
 85 90 95

Gly Glu His Ala Leu Arg Arg Tyr Pro Ser Gly Glu Glu Arg Cys Ile
 100 105 110

Ala Cys Lys Leu Cys Glu Ala Ile Cys Pro Ala Gln Ala Ile Xaa Ile

101020304050607080901001101201301401501601701801902002102202302402502602702802903003103203303403503603703803904004104204304404504604704804905005105205305405505605705805906006106206306406506606706806907007107207307407507607707807908008108208308408508608708808909009109209309409509609709809901000101010201030104010501060107010801090110011101120113011401150116011701180119012001210122012301240125012601270128012901300131013201330134013501360137013801390140014101420143014401450146014701480149015001510152015301540155015601570158015901600161016201630164016501660167016801690170017101720173017401750176017701780179018001810182018301840185018601870188018901900191019201930194019501960197019801990200020102020203020402050206020702080209021002110212021302140215021602170218021902200221022202230224022502260227022802290230023102320233023402350236023702380239024002410242024302440245024602470248024902500251025202530254025502560257025802590260026102620263026402650266026702680269027002710272027302740275027602770278027902800281028202830284028502860287028802890290029102920293029402950296029702980299030003010302030303040305030603070308030903100311031203130314031503160317031803190320032103220323032403250326032703280329033003310332033303340335033603370338033903400341034203430344034503460347034803490350035103520353035403550356035703580359036003610362036303640365036603670368036903700371037203730374037503760377037803790380038103820383038403850386038703880389039003910392039303940395039603970398039904000401040204030404040504060407040804090410041104120413041404150416041704180419042004210422042304240425042604270428042904300431043204330434043504360437043804390440044104420443044404450446044704480449045004510452045304540455045604570458045904600461046204630464046504660467046804690470047104720473047404750476047704780479048004810482048304840485048604870488048904900491049204930494049504960497049804990500050105020503050405050506050705080509051005110512051305140515051605170518051905200521052205230524052505260527052805290530053105320533053405350536053705380539054005410542054305440545054605470548054905500551055205530554055505560557055805590560056105620563056405650566056705680569057005710572057305740575057605770578057905800581058205830584058505860587058805890590059105920593059405950596059705980599060006010602060306040605060606070608060906100611061206130614061506160617061806190620062106220623062406250626062706280629063006310632063306340635063606370638063906400641064206430644064506460647064806490650065106520653065406550656065706580659066006610662066306640665066606670668066906700671067206730674067506760677067806790680068106820683068406850686068706880689069006910692069306940695069606970698069907000701070207030704070507060707070807090710071107120713071407150716071707180719072007210722072307240725072607270728072907300731073207330734073507360737073807390740074107420743074407450746074707480749075007510752075307540755075607570758075907600761076207630764076507660767076807690770077107720773077407750776077707780779078007810782078307840785078607870788078907900791079207930794079507960797079807990800080108020803080408050806080708080809081008110812081308140815081608170818081908200821082208230824082508260827082808290830083108320833083408350836083708380839084008410842084308440845084608470848084908500851085208530854085508560857085808590860086108620863086408650866086708680869087008710872087308740875087608770878087908800881088208830884088508860887088808890890089108920893089408950896089708980899090009010902090309040905090609070908090909100911091209130914091509160917091809190920092109220923092409250926092709280929093009310932093309340935093609370938093909400941094209430944094509460947094809490950095109520953095409550956095709580959096009610962096309640965096609670968096909700971097209730974097509760977097809790980098109820983098409850986098709880989099009910992099309940995099609970998099901000

115 120 125

Glu Ala Glu Pro Arg Ala Asp Gly Ser Arg Arg Thr Thr Arg Tyr Asp
130 135 140

Ile Asp Met Thr Lys Cys Ile Tyr Cys Gly Phe Cys Gln Glu Ala Cys
145 150 155 160

Pro Val Asp Ala Ile Val Glu Gly Pro Asn Phe Glu Phe Ser Thr Glu
165 170 175

Thr His Glu Glu Leu Leu Tyr Asn Lys Glu Lys Leu Leu Asn Asn Gly
180 185 190

Asp Lys Trp Glu Ala Glu Ile Ala Ala Asn Ile Gln Ala Asp Tyr Leu
195 200 205

Tyr Arg Xaa
210

<210> 154
<211> 115
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
<223> Xaa equals stop translation

<400> 154
Met Leu Pro Gly Leu Arg Arg Leu Leu Gln Ala Pro Ala Ser Ala Cys
1 5 10 15

Leu Leu Leu Met Leu Leu Ala Leu Pro Leu Ala Ala Pro Ser Cys Pro
20 25 30

Met Leu Cys Thr Cys Tyr Ser Ser Pro Pro Thr Val Lys Leu Pro Gly
35 40 45

Gln Gln Leu Leu Leu Cys Ala Ala Val Pro Ala Thr Gln His Ser Ala
50 55 60

Thr Leu Pro Ala Glu Gln Pro His Pro His Ala Ala Xaa Arg His Leu
65 70 75 80

Trp Val Gln Pro Ala His Pro Val Ala Leu Leu Gln Gln Pro Leu His
85 90 95

His Leu Pro Gly His Phe Pro Pro Leu Ala Ser Pro Gly Gly Ser Gly
100 105 110

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Pro Arg Xaa
115

<210> 155
<211> 227
<212> PRT
<213> Homo sapiens

<400> 155
Met Asp Phe Glu Asn Leu Phe Ser Lys Pro Pro Asn Pro Ala Leu Gly
1 5 10 15
Lys Thr Ala Thr Asp Ser Asp Glu Arg Ile Asp Asp Glu Ile Asp Thr
20 25 30
Glu Val Glu Glu Thr Gln Glu Glu Lys Ile Lys Leu Glu Cys Glu Gln
35 40 45
Ile Pro Lys Lys Phe Arg His Ser Ala Ile Ser Pro Lys Ser Ser Leu
50 55 60
His Arg Lys Ser Arg Ser Lys Asp Tyr Asp Val Tyr Ser Asp Asn Asp
65 70 75 80
Ile Cys Ser Gln Glu Ser Glu Asp Asn Phe Ala Lys Glu Leu Gln Gln
85 90 95
Tyr Ile Gln Ala Arg Glu Met Ala Asn Ala Ala Gln Pro Glu Glu Ser
100 105 110
Thr Lys Lys Glu Gly Val Lys Asp Thr Pro Gln Ala Ala Lys Gln Lys
115 120 125
Asn Lys Asn Leu Lys Ala Gly His Lys Asn Gly Lys Gln Lys Lys Met
130 135 140
Lys Arg Lys Trp Pro Gly Pro Gly Asn Lys Gly Ser Asn Ala Leu Leu
145 150 155 160
Arg Asn Ser Gly Ser Gln Glu Glu Asp Gly Lys Pro Lys Glu Lys Gln
165 170 175
Gln His Leu Ser Gln Ala Phe Ile Asn Gln His Thr Val Glu Arg Lys
180 185 190
Gly Lys Gln Ile Cys Lys Tyr Phe Leu Glu Arg Lys Cys Ile Lys Gly
195 200 205
Asp Gln Cys Lys Phe Asp His Asp Ala Glu Ile Glu Lys Lys Lys Lys
210 215 220
Lys Thr Arg
225

<210> 156
<211> 114

0974639 000101

<400> 156

Thr Phe Met Thr Leu His Ser Phe Arg Glu Ala Ile Thr Leu Asp Cys
20 25 30

Ala Pro Gln Arg Arg Gly Pro Arg Gly Arg Arg Cys Pro Ser Cys Ser
50 55 60

Pro Cys Ala Leu Ser Leu Thr Ser Pro Gly Ser Cys Leu Leu Lys Thr
65 70 75 80

Pro Val Phe Thr Pro Tyr Lys Ala Ser Ser Glu Gln Thr Gly Arg Pro
85 90 95

Leu Val Glu Pro Ala His Pro Val Pro Ser Ala Trp Arg Pro Gly Pro
100 105 110

Arg Ala

<210> 157

<211> 46

<212> PRT

<213> Homo sapiens

<400> 157

Met Ser Arg Thr Asn Thr Trp Val Ser Trp Gln Ala Ser Arg Ala Asp
1 5 10 15

Trp Pro Glu Thr Asp Pro Gln Glu Ala Leu Gln Pro Ala Leu Val Pro
20 25 30

Ser His Ser Asp Leu Asn Pro Gly Ser Ser Arg Ser Ala Val
35 40 45

<210> 158

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals stop translation

<400> 158

Met Leu Phe Gln Cys Gln Val Leu Leu Ser Ile Phe Ser Phe Leu Glu
1 5 10 15

Pro Val Leu Ser Ser Gly Ser Ser Arg Leu Val Phe Tyr Asn Leu Ser
 20 25 30

Asn Ile Met Xaa
 35

<210> 159
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals stop translation

<400> 159
 Met Val Phe Ser Ala Lys Ile Gly Val Arg Tyr Phe Leu Val Leu Ser
 1 5 10 15

Cys Leu Pro Asn Cys Cys Leu Pro Ala Asp Trp Trp His Ala Gln Trp
 20 25 30

Leu Trp Gly Gln Gly Xaa
 35

<210> 160
 <211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals stop translation

<400> 160
 Met Tyr Phe Ser Leu Leu Val Leu Leu Phe Ser Pro Ser Val Leu Phe
 1 5 10 15

Leu Ala Arg Lys Lys Cys Thr Arg Asn Asn Thr Leu Asn Xaa
 20 25 30

<210> 161
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (56)
 <223> Xaa equals stop translation

<400> 161

00774633 000101

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<210> 162
<211> 70
<212> PRT
<213> Homo sapiens
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<400> 162
Met Leu Gly Phe Ala Phe Arg Asp Lys Arg Trp Trp Ile Tyr Phe Ala
  1                               5                10                15
Cys Ser Lys Asp Ser Gln Gly Val Arg Ala Ala Tyr Cys Gln Ile Leu
      20                               25                30
Leu Leu Phe Tyr Val Ser Val Tyr Ser Leu Ser Phe Ser Tyr Leu Leu
      35                               40                45
Asp His Phe Cys Ser Leu Pro Lys Pro Leu Leu Phe Gly Thr Val Ser
      50                               55                60
Gln Ile Pro His Phe Xaa
      65                               70

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<210> 163
<211> 52
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (52)
<223> Xaa equals stop translation
```

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<400> 163
Met Cys Ser Tyr Cys Met Pro Tyr Leu Ile Ile Phe Leu Ser Val Ile
  1              5              10              15
His Asn His Lys Thr Ile Pro Leu Leu Lys Val Leu Val Asp Lys Leu
      20              25              30
Asn Cys Ile Ile Thr Asp Leu Cys Ile Ser Arg Asp Asp Val Phe Pro

```

35

40

45

Thr Thr Cys Xaa
50

<210> 164
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals stop translation

<400> 164
Met Cys Ala Asp Asp Leu Leu Ser Val Leu Leu Tyr Leu Leu Val Lys
1 5 10 15
Thr Glu Ile Pro Asn Trp Met Ala Asn Leu Ser Tyr Ile Lys Asn Phe
20 25 30
Arg Phe Ser Ser Leu Ala Lys Asp Glu Leu Gly Ile Leu Pro Asp Leu
35 40 45
Ile Arg Xaa Cys Pro Leu Asn Ile Arg Gln Gly Ser Leu Ser Ala Lys
50 55 60
Pro Pro Glu Ser Glu Gly Phe Gly Asp Arg Leu Phe Leu Lys Gln Arg
65 70 75 80
Met Ser Leu Leu Ser Gln Met Thr Ser Ser Pro Thr Asp Cys Leu Phe
85 90 95
Lys Ala Asp Ala Leu Leu Glu Xaa
100

<210> 165
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (76)
<223> Xaa equals stop translation

<400> 165
Met Ala Arg Ile Thr Gly Pro Pro Glu Arg Asp Asp Pro Tyr Pro Val
1 5 10 15

164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200

Phe Phe Met Ser Glu Tyr Glu Ala Thr Ile Tyr Xaa
65 70 75

```
<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals stop translation
```

Pro Leu Ser Arg Pro Arg Asp Gly Leu Ser Asn Ser Val Leu Ile Ile
20 25 30

```
<210> 167
<211> 272
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
<221> SITE
<222> (162)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (175)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>  
<221> SITE  
<222> (176)  
<223> Xaa equals any of the naturally occurring L-amino acids
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<223> Xaa equals any of the naturally occurring L-amino acids

Met Ser Ala Leu Arg Arg Ser Gly Tyr Gly Pro Ser Asp Gly Pro Ser

Tyr Gly Arg Tyr Tyr Gly Pro Gly Gly Gly Asp Val Pro Val His Pro
20 25 30

Pro Pro Pro Leu Tyr Pro Leu Arg Pro Glu Pro Pro Gln Pro Pro Ile
35 40 45

Ser Trp Arg Val Arg Gly Gly Gly Pro Ala Glu Thr Thr Trp Leu Gly
50 55 60

Glu Gly Gly Gly Gly Asp Gly Tyr Tyr Pro Ser Gly Gly Ala Trp Pro
65 70 75 80

Glu Pro Gly Arg Ala Gly Gly Ser His Gln Ser Leu Asn Ser Tyr Thr
85 90 95

Asn Gly Ala Tyr Gly Pro Thr Tyr Pro Pro Gly Pro Gly Ala Asn Thr
100 105 110

Ala Phe Ile Leu Arg Gly Leu Xaa Cys Thr Trp Leu Tyr Ser Asp Gln
115 120 125

Leu Leu His Arg Ile Pro Ser Thr Tyr Arg Ser Ser Gly Asn Ser Pro
130 135 140

Thr Pro Val Ser Arg Trp Ile Tyr Pro Gln Gln Asp Cys Gln Thr Glu
145 150 155 160

Ala Xaa Pro Leu Arg Gly Lys Val Pro Gly Tyr Pro Pro Ser Xaa Xaa
165 170 175

Pro Gly Met Xaa Leu Pro His Tyr Pro Tyr Gly Asp Gly Asn Arg Ser
180 185 190

Val	Pro	Gln	Ser	Gly	Pro	Thr	Val	Arg	Pro	Gln	Glu	Asp	Ala	Trp	Ala
		195					200					205			

Ser Pro Gly Ala Tyr Gly Met Gly Gly Arg Tyr Pro Trp Pro Ser Ser
210 215 220

Ala Pro Ser Ala Pro Pro Gly Asn Leu Tyr Met Thr Glu Val Leu His
225 230 235 240

His Gly Leu Ala Val Ala Leu Pro Ser His Pro Leu His Pro Gln Ser
245 250 255

Ser Ser Pro Arg Ile Leu His Thr Pro Ile Ala Asn Gln Ile Lys Ala
260 265 270

<210> 168
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals stop translation

<400> 168
 Met Ile Leu Thr Phe Cys Val Phe Leu Leu Phe Ser Phe His Asn Ala
 1 5 10 15

Ile Lys Ser Thr Pro Phe Leu Lys Phe Xaa
 20 25

<210> 169
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals stop translation

<400> 169
 Met Lys Leu Ile Tyr Tyr Cys His Leu Val Asp Ile Leu Leu Leu Gln
 1 5 10 15

Ala Ile Ile Lys Xaa Asn Ala Gly Met Xaa
 20 25

<210> 170
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 170
 Met Ile Glu Cys Pro Asp Trp Ala Arg Thr Ala Ser Leu Ala Lys Gln
 1 5 10 15

Arg Arg Lys Val Phe Lys Gln Met Leu Ser Ser Phe Leu His Phe His
 20 25 30

Phe Asn Ser Met Met Pro Leu Cys Pro Ser Asp Asp Ile Ser Pro Gly

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45

Asn Gln Pro Arg
130

<223> Xaa equals stop translation

Leu Leu Leu Leu Arg Cys Ile Xaa
65 70

Thr His Val Pro Ser Leu Tyr Thr Asn Gly Asn Ile Leu Lys Ile Leu

20

25

30

Phe Cys Thr Phe Thr Val Gln Val Pro Tyr Ser Pro Leu Ser Thr Trp
 35 40 45

Gln Arg Pro Lys Pro Val Lys Gly Arg Val Ser Thr Trp Pro Pro Ser
 50 55 60

Ser Met Ser Ser Ala Arg Ser Pro Gln Gly Pro
 65 70 75

<210> 173

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals stop translation

<400> 173

Met Ala Leu Leu Val Leu Thr Leu Tyr Cys Ile Leu Phe Leu Lys Ile
 1 5 10 15

Tyr Met Pro Val Pro Ser His Cys Glu Gln Phe Lys Gly Arg Asn Xaa
 20 25 30

<210> 174

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals stop translation

<400> 174

Met Gln Asn Asp Gly Leu Lys Phe Met Glu Met Val Leu His Val Leu
 1 5 10 15

Gln Ala Ser Ile Gly Val Leu Leu Leu Met Val Asp Val Leu Glu His
 20 25 30

Phe Leu Ala Met Leu Ile Gly Asn Ala Gly Ala Pro Leu Pro Leu Leu
 35 40 45

Asp Val Leu Gly Lys Asp Val Ile Asp Val Ala Glu Arg Arg Glu Ser
 50 55 60

Lys Lys Xaa
 65

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<210> 175
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 175
 Met Gln Trp Gly Glu Gly Ala Gly Pro Ser Trp Val Tyr Ile Leu Ser
 1 5 10 15
 Trp Asp Ser Arg Ala Ser Leu Cys Met Cys Ala Ala Ser Arg Tyr Leu
 20 25 30
 Cys Thr Gly Thr Asp Pro Pro Thr Arg Gly Asp Thr Ser Thr Pro His
 35 40 45
 Lys Ala Ile Leu Pro Leu Asp Pro Cys Pro Gln Ile Ser Arg Thr Ala
 50 55 60
 Arg Ala Glu Phe Leu Gln Pro Gly Gly Ser Thr Ser Ser Arg Ala Ala
 65 70 75 80
 Ala Thr Ala Val Glu Leu Gln Leu Leu Phe Pro Leu Val Arg Val Asn
 85 90 95
 Phe Glu Leu Gly Val Ile Met Val Ile Ala Val Ser Cys Val Lys Leu
 100 105 110
 Leu Ser Ala His Asn Ser Thr Gln His Thr Ser Arg Lys His Lys Val
 115 120 125

<210> 176
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals stop translation

<400> 176
 Met Gly Ser Val Trp Asn Cys Leu Leu Ala Leu Leu Glu Lys His Leu
 1 5 10 15
 Ile Thr Leu Tyr Lys Leu Ile Ile Thr Val Leu Leu Asp Leu Leu Ser
 20 25 30
 Ala Arg His Lys Cys Phe Thr Ser Val Asn Ser Phe Asn Xaa
 35 40 45

<210> 177

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<211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals stop translation

<400> 177
 Met Asn Ser Thr Cys Gly Phe Val Thr Ser Ile Asn Gln Ile Phe Leu
 1 5 10 15
 Ile Ile Leu Trp Xaa Leu Tyr Leu Pro Leu Leu Thr Thr Thr Leu Glu
 20 25 30
 Ile Trp Glu Leu Leu Xaa Leu Leu His Xaa
 35 40

<210> 178
 <211> 73
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (73)
 <223> Xaa equals stop translation

<400> 178
 Met Cys Gly Gly His Ala Ile Asn Val Gly Pro Phe Thr Val Ala Gly
 1 5 10 15
 Arg Gly Arg Asn Leu Gln Phe Leu Arg Val Leu Leu Leu Arg Cys Pro
 20 25 30
 Pro Val Leu Gly His Ser Cys Ser Xaa Pro Cys Pro Ala Trp Ser His
 35 40 45
 Pro Pro Ser Ala Asn Arg Ser Leu Gly Arg Val Leu Trp Ala Leu Ile
 50 55 60

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<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals stop translation
```

Asn Pro Val Gly Glu Met Arg Asn Leu Thr His Cys Arg Cys Xaa
20 25 30

<400> 180
Met Asp Thr Arg Gly Val Val Leu Arg Ser Gly Glu Phe Asn Arg Gln
1 5 10 15

Arg Glu Gly Gly Ser Lys Ala Lys Arg Gly Gly Pro Gln Val Gln Trp
35 40 45

Tyr Ile Gly Leu Arg Gly Leu Val
65 70

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<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids
```

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<220>  
<221> SITE  
<222> (55)  
<223> Xaa equals stop translation
```

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

<400> 181

Met Pro His Ile Phe Val Ser Gly Asn Phe Ser Leu Leu Ala Leu Phe
 1 5 10 15

Leu Leu Ser Ala Asn Phe Ile Val Glu Val Gln Ser Trp Leu Leu Leu
 20 25 30

Leu Leu Phe Phe Ile Xaa Leu Gly Arg Ser Tyr Asn Phe Tyr Leu Leu
 35 40 45

Cys Asp Ser Ile Ile Phe Xaa
 50 55

<210> 182

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals stop translation

<400> 182

Met His Asn Leu Ile Ser Ser Ile Ile Ser Phe Leu Tyr Asn Phe Cys
 1 5 10 15

Ala Leu Pro Leu Ala Ser Pro Gln Phe Thr Asn Glu Glu Ser Ser Tyr
 20 25 30

Thr Ala Leu Arg Ser Cys Thr Arg Gly Gly Phe Glu Ser Arg Ser Leu
 35 40 45

Gly Thr Gln Lys Ser Cys Thr Phe Gln Gly Lys Gly Asp Tyr His Val
 50 55 60

Thr Ala Xaa
 65

<210> 183

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (74)

<223> Xaa equals stop translation

<400> 183

Met Thr Thr Leu Phe Glu Thr Asp Arg Cys Leu Leu Phe Leu Val Met
 1 5 10 15

Ser Arg Phe Gly Phe Lys Ser Arg Leu Glu Ala Thr Ser Cys Lys Gln
 20 25 30

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 107020-0504

Val Gln Glu Asn Glu Thr Arg Arg Val Gly Asp Thr Arg Met Lys Thr
35 40 45

Ser Val Arg Val Lys Thr Lys Gln Thr Met Tyr Ile Ile Cys Ile Trp
50 55 60

Glu Lys Lys Glu Arg Asn Tyr Leu Thr Xaa
65 70

<210> 184
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals stop translation

<400> 184
Met Val Ser Asp Ile Ser Gly Gln Lys Gln Ser Leu Glu Ala Val Lys
1 5 10 15

Glu His Leu Leu Phe Ile Trp Leu Pro Val Tyr Lys Ser Thr His Glu
20 25 30

Gly Pro Asn Ser Lys Ile Ser Asn Tyr Gln Val Leu Xaa
35 40 45

<210> 185
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (98)
<223> Xaa equals stop translation

<400> 185
Met Arg Pro Leu Leu Cys Ala Leu Thr Gly Leu Ala Leu Leu Arg Ala
1 5 10 15

Ala Gly Ser Leu Ala Ala Ala Glu Pro Phe Ser Pro Pro Arg Gly Asp
20 25 30

Ser Ala Gln Ser Thr Ala Cys Asp Arg His Met Ala Val Gln Arg Arg
35 40 45

Leu Asp Val Met Glu Glu Met Val Glu Lys Thr Val Asp His Leu Gly
50 55 60

Thr Glu Val Lys Gly Leu Leu Gly Leu Leu Glu Glu Leu Ala Trp Asn
65 70 75 80

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```
<210> 186
<211> 62
<212> PRT
<213> Homo sapiens
```

```
<220>  
<221> SITE  
<222> (62)  
<223> Xaa equals stop translation
```

```
<400> 186
Met Ala Ser Leu Leu Asp Asn Phe Ile Leu Asn Ile Ile Val Ile Phe
   1                   5               10             15
```

Cys Ile Val Ile Asp Ser Tyr Leu Cys Gly Phe Met Tyr Phe Phe Val
 20 25 30

Ile Asp Ser Pro Val Pro Ala Cys Ser Pro Leu Gln Leu Ser Gln Thr
35 40 45

Leu Ile Leu Gln Leu Gln Pro Thr Ala Arg Tyr Phe His Xaa
50 55 60

```
<210> 187
<211> 40
<212> PRT
<213> Homo sapiens
```

```
<400> 187
Met Cys Ile Phe Glu Cys Met Cys His Phe Phe Ile Asp Ile Ser Asn
  1                   5                10               15
```

His Tyr Tyr Val Val Arg Phe Tyr Pro Glu Asp Ser Leu Pro Lys Thr
20 25 30

Phe Ile Tyr Asp Pro Phe Lys Ala
35 40

```
<210> 188
<211> 153
<212> PRT
<213> Homo sapiens
```

<400> 188
Met Cys Glu Ser Asn Ser Thr Met Pro Gly Pro Ser Leu Glu Ser Pro
1 5 10 15

Val Ser Thr Pro Ala Gly Lys Ile Gly Leu Ala Val Cys Tyr Asp Met
20 25 30

Figure 1. Schematic representation of the experimental design. The figure is divided into two main sections: (a) and (b). Section (a) shows a sequence of events: a subject is presented with a stimulus (a word or picture), then a response is given (a word or picture), and finally a feedback is provided (a word or picture). Section (b) shows a sequence of events: a subject is presented with a stimulus (a word or picture), then a response is given (a word or picture), and finally a feedback is provided (a word or picture). The figure is divided into two main sections: (a) and (b). Section (a) shows a sequence of events: a subject is presented with a stimulus (a word or picture), then a response is given (a word or picture), and finally a feedback is provided (a word or picture). Section (b) shows a sequence of events: a subject is presented with a stimulus (a word or picture), then a response is given (a word or picture), and finally a feedback is provided (a word or picture).

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals stop translation

<400> 193
Met Gly Pro Ala Leu Met Val Ala Ser Leu Cys Leu Gly Gly Pro Ala
1 5 10 15
Pro Ala Val Gly Ala Ile Thr Pro Ser Pro Phe Ile Thr Ser Leu Arg
20 25 30
Trp Ala Pro Ser Pro Ala Gly Cys Leu Pro Ser Gly Asn Ser Arg Thr
35 40 45
Leu Arg Asp Thr Arg Ala Ala Trp Pro Arg Gly Ala Thr Ala Arg Pro
50 55 60
Pro Gly Gly Gln Pro Trp Arg Glu Leu Arg Pro Thr Tyr Ser Gly Val
65 70 75 80
Trp Glu Pro Cys Leu Tyr Leu Gly Xaa Ser Pro Ser Gln Leu Pro Pro
85 90 95
Cys Val Phe Pro Pro Ala Lys Val Gly Xaa
100 105

<210> 194
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (54)
<223> Xaa equals stop translation

<400> 194
Met Lys Val Gln Ser Phe Tyr Lys Thr Leu Ile Pro Leu Leu Thr Ile
1 5 10 15
Phe Met Met Val Ala Leu Val Asn Phe Thr Gly Lys Lys Asn Ser Gln
20 25 30
Asn Tyr Pro Ala Gly Asn Ile Ser Ser Leu Pro Lys Asp Lys Thr Val
35 40 45
Lys Thr Arg Leu Gly Xaa
50

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<210> 195
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (98)
 <223> Xaa equals stop translation

<400> 195
 Met Arg Asp Pro Leu Asn Arg Val Leu Ala Asn Leu Phe Leu Leu Ile
 1 5 10 15

 Ser Ser Ile Leu Gly Ser Arg Thr Ala Gly Pro His Thr Gln Phe Val
 20 25 30

 Gln Trp Phe Met Glu Glu Cys Val Asp Cys Leu Glu Gln Gly Gly Arg
 35 40 45

 Gly Ser Val Leu Gln Phe Met Pro Phe Thr Thr Val Ser Glu Leu Val
 50 55 60

 Lys Val Ser Ala Met Ser Ser Pro Lys Val Val Leu Ala Ile Thr Asp
 65 70 75 80

 Leu Ser Leu Pro Leu Gly Arg Gln Val Ala Ala Lys Ala Ile Ala Ala
 85 90 95

 Leu Xaa

<210> 196
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals stop translation

<400> 196
 Met Gln Gly Ser Pro Leu Val Thr Ala Ile Tyr Lys Ile Phe Leu Leu
 1 5 10 15

 Ser Leu Leu Val Arg Gly Ile Cys Xaa
 20 25

<210> 197
 <211> 126
 <212> PRT
 <213> Homo sapiens

<400> 199

Met Glu Ala Lys Phe Leu Gly Asn Ala Pro Cys Gly His Tyr Thr Phe
 1 5 10 15

Lys Phe Pro Gln Ala Met Arg Thr Glu Ser Asn Leu Gly Ala Lys Val
 20 25 30

Phe Phe Phe Lys Ala Leu Leu Leu Thr Gly Asp Phe Ser Gln Ala Gly
 35 40 45

Asn Lys Gly His His Val Trp Val Thr Lys Asp Glu Leu Gly Asp Tyr
 50 55 60

Leu Lys Pro Lys Tyr Leu Ala Gln Val Arg Arg Phe Val Ser Asp Leu
 65 70 75 80

Xaa

<210> 200

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals stop translation

<400> 200

Met Leu Thr Phe Leu Ile Phe Leu Phe Pro Glu Val Val Leu Gly Leu
 1 5 10 15

Leu Arg Asp Tyr Ser Ser Xaa
 20

<210> 201

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals stop translation

<400> 201

Met His Val Tyr Leu Asn Tyr Lys Xaa
 1 5

<210> 202

<211> 11

<212> PRT

<213> Homo sapiens

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<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals stop translation

<400> 202
 Met Val Glu Ser Asn Leu Pro Gly Pro Ala Xaa
 1 5 10

<210> 203
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 203
 Thr Phe Lys Ser Leu Trp Lys His Trp Thr Leu Ala Gly Pro Gly Asn
 1 5 10 15

Ile Gly Lys Asn Trp Ile Gly Arg
 20

<210> 204
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 204
 His Glu Gly Thr Trp Arg Trp Glu Ala Pro Thr Pro Leu Gln Ser Leu
 1 5 10 15

Gly Pro Thr Thr Pro Ser Leu Pro Ser Val Ala Asp Leu Cys Gln Asp
 20 25 30

Gly His Gly Gly Cys Ser Glu His Ala Asn Cys Ser Gln Val Gly Thr
 35 40 45

<210> 205
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 205
 Leu Lys Val Pro Thr Cys Tyr Ser Ala Asn Thr
 1 5 10

<210> 206
 <211> 42
 <212> PRT
 <213> Homo sapiens

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<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 206
 Trp Gln Val Pro Ala Pro Val Ile Pro Gly Xaa Asp Pro Arg Val Arg
 1 5 10 15
 Gly Ala Arg Lys Arg Thr Leu Leu Gly Val Ala Gly Gly Trp Arg Arg
 20 25 30
 Phe Glu Arg Leu Trp Ala Gly Ser Leu Ser
 35 40

<210> 207
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 207
 Ser Arg Ser Leu Ala Leu Ala Ala Ala Pro Ser Ser Asn Gly Ser Pro
 1 5 10 15
 Trp Arg Leu Leu Gly Ala Leu Cys Leu Gln Arg Pro Pro Val Val Ser
 20 25 30
 Lys Pro Leu Thr Pro Leu Gln Glu Glu
 35 40

<210> 208
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 208
 Met Glu Glu Glu Ala Tyr Ser Lys Gly Phe Gln Glu Gly Leu Lys Lys
 1 5 10 15
 Thr Lys Glu Leu Gln Asp Leu Lys Glu Glu Glu Glu Glu Gln Lys Ser
 20 25 30
 Glu Ser Pro Glu Glu Pro Glu Glu Val
 35 40

<210> 209
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 209
 Glu Glu Thr Glu Glu Glu Glu Lys Gly Pro Arg Ser Ser Lys Leu Glu
 1 5 10 15
 Glu Leu Val His Phe Leu Gln Val Met Tyr Pro Lys Leu Cys Gln His

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Lys Ser Cys Cys Val Phe Thr Phe Gln Pro Asn Gly
35 40

<400> 218

Ala Gly Pro His Phe Val Ala Val Asn Asn Lys Asn Glu Ile Val Val
20 25 30

Thr Asp Phe His Asn His Ser Val Lys Val Tyr Ser
35 40

<211> 42

<212> PRT

<213> Homo sapiens

<400> 219

Ala Asp Gly Glu Phe Leu Phe Lys Phe Gly Ser His Gly Glu Gly Asn
1 5 10 15

Gly Gln Phe Asn Ala Pro Thr Gly Val Ala Val Asp Ser Asn Gly Asn
20 25 30

Ile Ile Val Ala Asp Trp Gly Asn Ser Arg
35 40

$\langle 210 \rangle$ 220

<211> 38

<212> PRT

<213> Homo sapiens

 $\langle 220 \rangle$

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

 $\langle 222 \rangle$ (6)

<223> Xaa equals any of the naturally occurring L-amino acids

 $\langle 400 \rangle$ 220

Ile Xaa Gly Ile Arg Xaa Leu Trp Leu Leu Pro Val Leu Tyr Gln His
1 5 10 15

Ile Cys Arg Thr Thr Val Trp Ser Thr Gly Pro Gly Thr Asp Leu Gly
20 25 30

Trp Pro Cys Gly Gly Gly
35

<210> 221
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 221
 Met Glu Trp Glu Gly Gly Ala Ile Arg His Pro Ser Thr Glu Leu Gly
 1 5 10 15

<210> 222
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 222
 Arg Pro Thr Arg Pro Pro Asp Gly Cys His Pro Ser Cys Cys Arg Met
 1 5 10 15

Glu Ala Ala Met Glu Trp Glu Gly Gly Ala Ile Arg His Pro Ser Thr
 20 25 30

Glu Leu Gly Ile
 35

<210> 223
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 223
 Glu Cys Gln Glu Tyr Glu Ile Leu Glu His Cys Trp Trp Glu Cys Lys
 1 5 10 15

Leu Val Gln Pro Phe Trp Lys Ser Ser Cys Arg Ile Pro Ala Ala Arg
 20 25 30

Gly Ile His
 35

<210> 224
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 224
 His Cys Trp Trp Glu Cys Lys Leu Val Gln Pro Phe Trp Lys Ser
 1 5 10 15

<210> 225

<400> 225
Phe Thr Phe Pro Pro Thr
1 5

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<210> 226
<211> 127
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
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<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 226
His His His Leu Arg Val Gly Ser Pro Trp Ser His Pro Glu Thr Gly-
  1                      5                      10                      15

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Thr Ala Val His Gly Ala His Pro Gln Gly Glu Ala Ala Ser Asp Arg
20 25 30

His Arg Gly Cys Phe Tyr Arg Arg Arg Gln Leu Met His Gln Leu Pro
35 40 45

Ile Tyr Asp Gln Asp Pro Ser Arg Cys Arg Gly Leu Leu Glu Asn Glu
50 55 60

Leu Lys Leu Met Glu Glu Phe Val Lys Gln Tyr Lys Ser Glu Ala Leu
65 70 75 80

Gly Val Gly Glu Val Ala Leu Pro Gly Xaa Gly Trp Leu Ala Lys Glu
 85 90 95

Glu Gly Lys Gln Gln Glu Lys Pro Glu Gly Ala Glu Thr Xaa Ala Xaa
 100 105 110

Thr Thr Asn Gly Xaa Xaa Ser Asp Pro Ser Lys Glu Glu Ala Cys
 115 120 125

<210> 227
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 227
 Thr Tyr Glu Trp Ala Pro Pro
 1 5

<210> 228
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 228
 Pro Lys Glu Lys Gln Pro Val
 1 5

<210> 229
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 229
 Pro Arg Pro Ala Asn Leu Ala Ile Gln Pro Pro Leu Ser Pro Leu Arg
 1 5 10 15

Ala Leu Ala Pro Leu Pro Glu Lys Pro Gly Ala Val Pro Pro Pro Gln
 20 25 30

Lys Arg

<210> 230
 <211> 163
 <212> PRT
 <213> Homo sapiens

<400> 230
 Ala His Ala Val Trp Arg Pro Gly Val Leu Pro Gly Leu Val Glu Leu
 1 5 10 15

Arg Val Cys His Leu Leu Leu Ala Glu Leu Glu His Pro Cys Ala Gln
 20 25 30

Val Val His Gln Val Gly Gly Val Cys Val Cys Val Met Trp Asn Met
 35 40 45

<210> 234
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 234
 Leu Tyr Tyr Phe Leu Phe Ala Pro Thr Leu Cys Tyr Glu Leu Asn Phe
 1 5 10 15

Pro

<210> 235
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 235
 Glu Met Leu Phe Phe Thr Gln Leu Gln Val Gly Leu Ile Gln Gln Trp
 1 5 10 15

Met Val Pro Thr Ile Gln Asn Ser Met Lys
 20 25

<210> 236
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 236
 Val Thr Tyr Phe Trp Gln Asn Trp Asn Ile Pro Val His Lys Trp Cys
 1 5 10 15

Ile Arg

<210> 237
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 237
 Pro Phe Lys Asp Met Asp Tyr Ser Arg Ile Ile Glu Arg Leu Leu Lys
 1 5 10 15

Leu Ala Val Pro Asn His Leu Ile Trp Leu Ile Phe Phe Tyr Trp Leu
 20 25 30

Phe His Ser Cys Leu Asn Ala Val Ala Glu Leu Met Gln Phe Gly Asp
 35 40 45

Arg Glu Phe Tyr Arg Asp Trp Trp Asn Ser Glu Ser

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50

55

60

<210> 238
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 238
 Arg His Phe Tyr Lys Pro Met Leu Arg Arg Gly Ser Ser Lys Trp Met
 1 5 10 15
 Ala Arg Thr Gly Val Phe Leu Ala Ser Ala Phe Phe His Glu Tyr Leu
 20 25 30
 Val Ser Val Pro Leu Arg Met Phe Arg Leu Trp Ala Phe Thr Gly Met
 35 40 45

<210> 239
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 239
 Met Ala Gln Ile Pro Leu Ala Trp Phe Val Gly Arg Phe Phe Gln Gly
 1 5 10 15
 Asn Tyr Gly Asn Ala Ala Val Trp Leu Ser Leu Ile Ile Gly Gln Pro
 20 25 30
 Ile Ala Val Leu Met Tyr Val His Asp Tyr Tyr Val Leu Asn Tyr
 35 40 45

<210> 240
 <211> 23
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 240
 Ser Gly Xaa Trp Gln Gly Leu Asp Glu Val Val Arg Leu Leu Asn Xaa
 1 5 10 15
 Ser Asp Phe Ala Phe Thr Asp

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<400> 242
Glu Val Ile Asn Thr Leu Ala Asp His Arg His Arg Gly Thr Asp Phe
 1             5             10             15
Gly Gly Ser Pro Trp Leu Leu Ile Ile Thr Val Phe Leu Arg Ser Tyr
                20             25             30
Lys Phe Ala Ile Ser Leu Cys Thr Ser Tyr Leu Cys Val Ser Phe Leu
          35             40             45
Lys Thr Ile Phe Pro Ser Gln Asn Gly His Asp Gly Ser Thr Asp Val
      50             55             60
Gln Gln Arg Ala Arg Arg Ser Asn Xaa Arg Arg Gln Glu Gly Ile Lys
 65             70             75             80

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[illegible]

Thr Ala Glu Thr Leu Lys Asn Arg Met Gly His Gln Pro Pro Pro Pro

40

45.

Ala Glu Cys Leu Leu Tyr Pro Leu Pro Pro Ser Ala Asp Asp Asn Leu
65 70 75 80

Lys Thr Pro Xaa Glu Cys Leu Leu Thr Pro Leu Pro Pro Ser Ala Pro
85 90 95

Pro Ser Ala Asp Asp Asn Leu Lys Thr Pro Pro Glu Cys Val Cys Ser
100 105 110

Leu Pro Phe His Pro Gln Leu His Pro Gln Arg Met Ile Ile Ser Arg
115 120 125

His Leu Pro Ser Val Ser Ala His Ser Pro Ser Thr Leu Ser Gly
130 135 140

<210> 244

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 244

Arg Ala Arg Arg Ser Asn Xaa Arg Arg Gln Glu Gly Ile Lys Ile Val
1 5 10 15

Leu Glu Asp Ile
20

<210> 245

<211> 16

<212> PRT

<213> Homo sapiens

<400> 245

Leu Ser Leu Lys Thr Pro Ala Glu Cys Leu Leu Tyr Pro Leu Pro Pro
1 5 10 15

<210> 246

<211> 27

<212> PRT

<213> Homo sapiens

<400> 246

<400> 248

Leu Lys Glu Arg Ala Leu Ser Arg Tyr Asn Leu Val Arg Gly Gln Gly
 1 5 10 15

Pro Glu Arg Leu Val
 20

<210> 249

<211> 137

<212> PRT

<213> Homo sapiens

<400> 249

Met Pro Thr Pro Ser Met Arg Ala Asn Arg Met Pro Pro Ile Ile Ala
 1 5 10 15

Glu Pro Thr Met Ala Ser Gly Pro Leu Arg Ala Ala Ser Thr Ala Pro
 20 25 30

Val Asn Ala Pro Leu Val Ile Glu Phe Gln Gly Ser Ser Leu Pro Arg
 35 40 45

Ser Arg Thr Arg Pro Gln Ser Met Val Glu Asn Arg Pro Pro His Thr
 50 55 60

Ala Lys Leu Pro Pro Ile Trp Gly Ala Arg Ile Leu Thr Ala Leu Ala
 65 70 75 80

Leu Pro Leu Asn Arg Cys Arg Ile Pro Thr Gly Ala Leu Arg Lys Pro
 85 90 95

Leu Met Ala Trp Lys Thr Pro Pro Pro Met Thr Pro Ile Val Lys Ala
 100 105 110

Pro Pro Gln Ser Ser Thr Ile Arg His Gly Gln Gly Ser Arg Ala Tyr
 115 120 125

Ser Gly Arg Val Gly Gly Arg Val Gly
 130 135

<210> 250

<211> 25

<212> PRT

<213> Homo sapiens

<400> 250

Gly Ala Arg Ile Leu Thr Ala Leu Ala Leu Pro Leu Asn Arg Cys Arg
 1 5 10 15

Ile Pro Thr Gly Ala Leu Arg Lys Pro
 20 25

<210> 251

<211> 38

Gly Gly Gly Val Phe Gln
35

<213> Homo sapiens

Ser Phe Ala Val Trp Gly Gly
35

<213> Homo sapiens

Ala Ala Arg Ser Gly Pro Leu Ala
35 40

<213> Homo sapiens

Ala Gln Arg Arg Gly Gln Ala Leu Pro Thr Pro Arg Ala Gly Pro Gly
20 25 30

<400> 262
His Ser Gly Val Gln Thr Ile Ala Phe Gly Leu Glu Cys
1 5 10

<210> 263
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 263
 Lys Val Gln Asp Arg Asp Gly Lys Glu Arg Arg Lys Gln Glu Glu Val
 1 5 10 15

Lys Leu Gly Arg Trp Cys Gln Trp His
 20 25

<210> 264
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 264
 Ala Cys Gly Ala Pro Glu Glu Ala Gly Gly
 1 5 10

<210> 265
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 265
 Leu Phe Ser Ser Phe Leu Gly Asp Thr Thr Val His Lys Val Leu Ser
 1 5 10 15

Arg Ala Thr Leu His Leu His Pro Ala Pro Tyr Leu Thr Gly Val Asp
 20 25 30

Ser Tyr Ser
 35

<210> 266
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 266
 Asp Phe Ser Ser Tyr Ser His Pro Ser Leu Gly Thr Gln Leu Ser Ile
 1 5 10 15

Arg Cys Tyr Pro Glu Pro His Cys Ile Cys Thr Gln His His Thr Ser
 20 25 30

Gln Glu Ser Thr Pro Thr Leu
 35

<210> 267
 <211> 38

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<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 267

Ala Pro Gln Lys Phe Pro Xaa Gly Phe Phe Phe Phe Phe Leu Phe Ser
1 5 10 15

Arg Arg Lys Lys Gln Cys Ser Lys Val Val Gln Asn Thr Gly Ala Gly
20 25 30

Ala Ile Gln Thr Gln Val
35

<210> 268

<211> 38

<212> PRT

<213> Homo sapiens

<400> 268

Gln Leu Leu Thr Ser Pro Thr Phe Ser Thr Val Leu Ser Asn Tyr Thr
1 5 10 15

Cys Gln Ala Pro Ser Gln Trp Thr Asp Trp Gln Ala Leu Leu Pro Thr
20 25 30

Gly Ile Gln Thr Glu His
35

<210> 269

<211> 36

<212> PRT

<213> Homo sapiens

<400> 269

His Gln Gly Trp Asp Lys Gln Lys Gln Cys Lys Arg Lys Cys Glu His
1 5 10 15

Glu His Ala Pro Leu His His Asn Leu Trp Lys Gln Ser Gly Lys Thr
20 25 30

Arg Leu Gly Asp
35

<210> 270

<211> 27

<212> PRT

<213> Homo sapiens

<400> 270

Lys His Val Ile Phe Phe Met Phe Ile Ser Asn Leu Phe Leu Ile Leu

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1 5 10 15

Cys Phe Leu Phe Arg Pro Thr Lys Thr Thr Val
20 25

<210> 271
<211> 11
<212> PRT
<213> Homo sapiens

<400> 271
Asp Lys Leu Leu Ser Phe His Leu Val Ser Ile
1 5 10

<210> 272
<211> 14
<212> PRT
<213> Homo sapiens

<400> 272
Lys Trp Lys Gly Asp Leu His Cys Ile Leu Gly Leu Leu Ala
1 5 10

<210> 273
<211> 10
<212> PRT
<213> Homo sapiens

<400> 273
Leu Ala Pro Ser Ser Val Gly Ser Ala Ser
1 5 10

<210> 274
<211> 39
<212> PRT
<213> Homo sapiens

<400> 274
Arg Glu Ala Thr Lys Asn Pro Thr His His Arg Ser Thr Pro His Ala
1 5 10 15

Ala Gly Ser Gln Leu Asn Val Pro Pro Gln Pro Cys Phe Pro Leu His
20 25 30

His Gln Ile Lys Thr Ser Pro
35

<210> 275
<211> 38
<212> PRT
<213> Homo sapiens

<400> 275

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<400> 279

Glu Arg Cys Ile Ala Cys Lys Leu Cys Glu Ala Ile
50 55 60

<213> Homo sapiens

Asn Phe Glu Phe Ser Thr Glu Thr His
50 55

<213> Homo sapiens

Leu Tyr Arg

<213> Homo sapiens

Glu Pro Arg Gly Val Pro Ala Val His Pro Ala Gly Ser Gly Ser Glu

20

25

30

Trp Glu Arg Pro Pro Pro Ala Ala Pro Ser Pro Glu His Arg Asp Lys
 35 40 45

<210> 283

<211> 24

<212> PRT

<213> Homo sapiens

<400> 283

Asp Ser Arg Ala Leu Pro Glu Pro Arg Gly Val Pro Ala Val His Pro
 1 5 10 15

Ala Gly Ser Gly Ser Glu Trp Glu
 20

<210> 284

<211> 7

<212> PRT

<213> Homo sapiens

<400> 284

Glu Phe Gly Thr Ser Trp Val
 1 5

<210> 285

<211> 78

<212> PRT

<213> Homo sapiens

<400> 285

Thr Leu His Pro Pro Gln Glu Pro Gln Arg Pro Glu Ala Pro Asp Ala
 1 5 10 15

Gly Asp Pro Ala Pro Leu Pro Ser Thr Ser Ser Val Gly Ser Ser Ser
 20 25 30

Gly Gly Ala Cys Gly Val Pro Cys Ala His Trp Arg Val Cys Gly Leu
 35 40 45

Ile His Leu Val Ala Leu Arg Gly Gly Ile Arg Ala Pro Val Ser Pro
 50 55 60

Pro Phe Met Phe Asn Leu His His Asn Leu Leu Asn Leu Arg
 65 70 75

<210> 286

<211> 21

<212> PRT

<213> Homo sapiens

<400> 290

Leu Met Val Pro Leu Lys Met Asp Ser Ile Thr Val His Ile Arg Ser
 1 5 10 15

Thr Asn Gly Pro Ile Asp Val Tyr Leu
 20 25

<210> 291

<211> 26

<212> PRT

<213> Homo sapiens

<400> 291

Gln Gly Gln Thr Ser Asn Lys Arg Ser Glu Gly Val Gly Thr Ser Ser
 1 5 10 15

Ser Glu Ser Thr His Pro Glu Gly Pro Glu
 20 25

<210> 292

<211> 19

<212> PRT

<213> Homo sapiens

<400> 292

Arg Pro Thr Arg Pro Ser Ile Leu Gly Leu Tyr Val Asp Leu Tyr Val
 1 5 10 15

Phe Cys Ile

<210> 293

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 293

Cys Gly Ala Cys Thr Xaa Leu Ser Leu Ser Asp Ser Arg Arg Cys Gly
 1 5 10 15

Cys Cys Lys Gly Ser Ser Leu Arg His Thr Ala Val Ala
 20 25

<210> 294

<211> 7

<212> PRT

<213> Homo sapiens

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<400> 294

Gly Arg Pro Thr Arg Pro Ile
1 5

<210> 295

<211> 64

<212> PRT

<213> Homo sapiens

<400> 295

Asp Pro Arg Val Arg Asp Leu Gln Gln Lys Asp Ile Gly Val Lys Pro
1 5 10 15Glu Phe Ser Phe Asn Ile Pro Arg Ala Lys Arg Glu Leu Ala Gln Leu
20 25 30Asn Lys Cys Thr Ser Pro Gln Gln Lys Leu Val Cys Leu Arg Lys Val
35 40 45Val Gln Leu Ile Thr Gln Ser Pro Ser Gln Arg Val Asn Leu Glu Thr
50 55 60

<210> 296

<211> 21

<212> PRT

<213> Homo sapiens

<400> 296

Gln Gln Lys Asp Ile Gly Val Lys Pro Glu Phe Ser Phe Asn Ile Pro
1 5 10 15Arg Ala Lys Arg Glu
20

<210> 297

<211> 25

<212> PRT

<213> Homo sapiens

<400> 297

Lys Cys Thr Ser Pro Gln Gln Lys Leu Val Cys Leu Arg Lys Val Val
1 5 10 15Gln Leu Ile Thr Gln Ser Pro Ser Gln
20 25

<210> 298

<211> 142

<212> PRT

<213> Homo sapiens

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<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 298

Gln Lys Glu Trp Lys Leu Phe Leu Arg Gly Arg Gln Asn Glu Lys Ser
 1 5 10 15

Gly Tyr Gln Lys Leu Leu Glu Leu Ile Leu Leu Asp Gln Thr Val Arg
 20 25 30

Val Val Thr Ala Gly Ser Ala Ile Leu Gln Lys Cys His Phe Tyr Glu
 35 40 45

Val Leu Ser Glu Ile Lys Arg Leu Gly Asp His Leu Ala Glu Lys Thr
 50 55 60

Ser Xaa Leu Pro Asn His Ser Glu Pro Asp His Asp Thr Asp Ala Gly
 65 70 75 80

Leu Glu Arg Thr Asn Pro Glu Tyr Glu Asn Glu Val Glu Ala Ser Met
 85 90 95

Asp Met Asp Leu Leu Glu Ser Ser Asn Ile Ser Glu Gly Glu Ile Glu
 100 105 110

Arg Leu Ile Asn Leu Leu Glu Glu Val Phe His Leu Met Glu Thr Ala
 115 120 125

Pro His Thr Met Ile Gln Gln Pro Val Lys Ser Phe Pro Thr
 130 135 140

<210> 299

<211> 27

<212> PRT

<213> Homo sapiens

<400> 299

Leu Arg Gly Arg Gln Asn Glu Lys Ser Gly Tyr Gln Lys Leu Leu Glu
 1 5 10 15

Leu Ile Leu Leu Asp Gln Thr Val Arg Val Val
 20 25

<210> 300

<211> 26

<212> PRT

<213> Homo sapiens

<400> 300

Ile Leu Gln Lys Cys His Phe Tyr Glu Val Leu Ser Glu Ile Lys Arg
 1 5 10 15

Leu Gly Asp His Leu Ala Glu Lys Thr Ser
 20 25

125
 110
 95
 80
 65
 50
 35
 20
 15
 10
 5
 1

<210> 301
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 301
 Asp Ala Gly Leu Glu Arg Thr Asn Pro Glu Tyr Glu Asn Glu Val Glu
 1 5 10 15
 Ala Ser Met Asp Met Asp
 20

<210> 302
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 302
 Asn Ile Ser Glu Gly Glu Ile Glu Arg Leu Ile Asn Leu Leu Glu Glu
 1 5 10 15
 Val Phe His Leu Met Glu Thr Ala Pro His
 20 25

<210> 303
 <211> 19
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 303
 Arg Arg Thr Ser Gly Ser Pro Xaa Ala Ala Gly Ile Arg His Glu Gly
 1 5 10 15
 Gly Phe Ile

<210> 304
 <211> 149
 <212> PRT
 <213> Homo sapiens

<400> 304
 Met Asn Arg His Asn Phe Pro Cys Ser Val His Gln Tyr Glu Ser Ser
 1 5 10 15
 Gly Thr Val Asn Asn Asp Asp Ser Asp Leu Leu Asp Ser Gln Val Gln
 20 25 30

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Tyr Ser Ala Glu Pro Gln Leu Tyr Gly Asn Ala Thr Ser Asp His Pro
35 40 45

Asn Asn Gln Asp Gln Ser Ser Ser Leu Pro Glu Glu Cys Val Pro Ser
50 55 60

Asp Glu Ser Thr Pro Pro Ser Ile Lys Lys Ile Ile His Val Leu Glu
65 70 75 80

Lys Val Gln Tyr Leu Glu Gln Glu Val Glu Glu Phe Val Gly Lys Lys
85 90 95

Thr Asp Lys Ala Tyr Trp Leu Leu Glu Glu Met Leu Thr Lys Glu Leu
100 105 110

Leu Glu Leu Asp Ser Val Glu Thr Gly Gly Gln Asp Ser Val Arg Gln
115 120 125

Ala Arg Lys Glu Ala Val Cys Lys Ile Gln Ala Ile Leu Glu Lys Lys
130 135 140

Lys Lys Lys Asn Ser
145

<210> 305

<211> 87

<212> PRT

<213> Homo sapiens

<400> 305

Gly Ala Arg Ala Thr Ala Pro Val Thr Val Arg Pro Thr Ala Ala Thr
1 5 10 15

Thr Gly Leu Gly Val Glu Met Cys Arg Tyr Thr His Leu His Pro Tyr
20 25 30

Ile Leu Phe Ala Leu Asn Leu Pro Ser Leu Pro Phe Pro Gly Gly Cys
35 40 45

Ala Gly Ala Ala Arg Arg Arg Pro Pro Gly Trp Glu Lys Ala Glu Glu
50 55 60

Ala Met Ala Thr Ile Pro Arg Glu Ala Pro Gly Gln Ser Leu Val Glu
65 70 75 80

Pro Glu Glu Ala Thr Arg Val
85

<210> 306

<211> 25

<212> PRT

<213> Homo sapiens

<400> 306

Pro Val Thr Val Arg Pro Thr Ala Ala Thr Thr Gly Leu Gly Val Glu
1 5 10 15

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<211> 25
 <212> PRT
 <213> Homo sapiens

<400> 311

His Pro Asn Asn Gln Asp Gln Ser Ser Ser Leu Pro Glu Glu Cys Val
 1 5 10 15

Pro Ser Asp Glu Ser Thr Pro Pro Ser
 20 25

<210> 312
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 312

Glu Val Glu Glu Phe Val Gly Lys Lys Thr Asp Lys Ala Tyr Trp Leu
 1 5 10 15

Leu Glu Glu Met Leu Thr Lys Glu
 20

<210> 313
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 313

Leu Glu Leu Asp Ser Val Glu Thr Gly Gly Gln Asp Ser Val Arg Gln
 1 5 10 15

Ala Arg Lys Glu Ala Val Cys Lys
 20

<210> 314
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 314

Ile Arg His Glu Tyr Pro Val Leu Ile Gln Phe Ser Val Ser Tyr Arg
 1 5 10 15

Lys Ser Phe Ile Phe Cys Leu Pro Glu
 20 25

<210> 315
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

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Ser Ala Arg Ala Val Leu Leu Ile Trp Gly His Gly Ser Ser Gly Lys
50 55 60



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<210> 324
<211> 48
<212> PRT
<213> Homo sapiens
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<210> 325
<211> 9
<212> PRT
<213> Homo sapiens
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<210> 326
<211> 33
<212> PRT
<213> Homo sapiens
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Ile

1

Gln Ala Phe His Leu Cys Pro Gln Val Ile His Gly Leu Leu Tyr His
65 70 75 80

<213> Homo sapiens

<400> 333

Ile Phe Ser Cys Asp Ser Ile Ala Ile Ile Gln Ile Lys His Leu Ala
 1 5 10 15

Phe Pro

<210> 334

<211> 34

<212> PRT

<213> Homo sapiens

<400> 334

Gly Leu Trp Leu Ser Leu Gly Gly Phe His Glu Arg Gly Gln Asp Trp
 1 5 10 15

Glu Gln Thr Gln Lys Ile Tyr Asn Cys His Val Leu Leu Asn Arg Lys
 20 25 30

Gly Gln

<210> 335

<211> 68

<212> PRT

<213> Homo sapiens

<400> 335

Ala Trp Pro Arg Leu Gly Ala Asp Ser Glu Asn Leu Gln Leu Ser Arg
 1 5 10 15

Ala Ala Glu Gln Lys Gly Ala Val Val Ala Thr Tyr Arg Lys Thr His
 20 25 30

Leu Cys Asp Val Glu Ile Pro Gly Gln Gly Leu Cys Val Lys Ala Thr
 35 40 45

Leu Pro Cys Leu Gly Pro Val Leu Ser His Leu Ser Ala His Gln Gln
 50 55 60

Ala Arg Leu Val
 65

<210> 336

<211> 27

<212> PRT

<213> Homo sapiens

<400> 336

Arg Ala Ala Glu Gln Lys Gly Ala Val Val Ala Thr Tyr Arg Lys Thr
 1 5 10 15

His Leu Cys Asp Val Glu Ile Pro Gly Gln Gly
 20 25

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<210> 337
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 337
 Arg Arg Asp Ser Arg Ala Gly Ala
 1 5

<210> 338
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 338
 Leu Ser Ala Gly Asn His Asp Thr
 1 5

<210> 339
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 339
 Lys Gln Val Lys Cys Ala Lys Val Ser Tyr Leu Leu Phe Leu Phe Gln
 1 5 10 15
 Tyr Cys Ala Ile Asp Ser Cys Ile Lys Phe Trp Asn Ala Gly Ser Ser
 20 25 30
 Trp Leu Ser Ser Val Thr Leu Trp Ser
 35 40

<210> 340
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 340
 Ile Tyr Val Met Asp Thr Ser Arg Ser Thr Asn Pro Val
 1 5 10

<210> 341
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 341
 Asn Met Leu Tyr Ala Cys Ser Ile Leu Tyr Lys Thr Lys Leu
 1 5 10

<210> 342
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 342
 Met Asn Lys Thr Asp Ile Ile Asp His Ser Phe Ala Val Glu Trp Met
 1 5 10 15

Gln Asp Phe

<210> 343
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 343
 Ala Phe Gln Asp Ala Leu Asn Gln Glu Thr Thr Tyr Val
 1 5 10

<210> 344
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 344
 Asn Leu Thr Arg Ser Met Ser Leu Val Leu Asp Glu Phe Tyr Ser Ser
 1 5 10 15

Leu Arg Val Val Gly Val Ser Ala Val Leu Gly Thr Gly Leu Asp Glu
 20 25 30

Leu Phe Val Gln Val Thr Ser Ala Ala
 35 40

<210> 345
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 345
 Leu Lys Lys Ser Leu Ala Asn Ala Glu Ser
 1 5 10

<210> 346
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 346
 Lys Asp Met Gly Ser Val Ala Leu Asp Ala Gly Thr Ala Lys Asp Ser
 1 5 10 15

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Ile Xaa Gly Met Asn Lys Thr Asp Ile Ile Asp His Ser Phe Ala Val
100 105 110

<213> Homo sapiens

<400> 357
Gly Thr Leu Pro Val Pro Gly Val Gln Ser Leu Pro Thr Pro Ser Leu
1 5 10 15
Cys Leu Pro Pro Ser Lys Gly Gly Val Thr Thr Ser Val Ala Lys His
20 25 30
Leu Leu Pro Gly Ser Leu His Pro Gly His Leu Ser Leu
35 40 45

<400> 360
Gln Pro Ser Lys Leu Met Arg Leu Leu Ser Ser Asn Glu Asp Asp Ala
1 5 10 15

Asn Ile Leu Ser Ser Pro Thr Asp Arg
20 25

<210> 361
<211> 26
<212> PRT
<213> Homo sapiens

<400> 361
Gln Leu His Thr Val Asn Met Arg Asp Pro Leu Asn Arg Val Leu Ala
1 5 10 15

Asn Leu Phe Leu Leu Ile Ser Ser Ile Leu
20 25

<210> 362
<211> 17
<212> PRT
<213> Homo sapiens

<400> 362
Gly Ser Arg Thr Ala Gly Pro His Thr Gln Phe Val Gln Trp Phe Met
1 5 10 15

Glu

<210> 363
<211> 16
<212> PRT
<213> Homo sapiens

<400> 363
Lys Val Ser Ala Met Ser Ser Pro Lys Val Val Leu Ala Ile Thr Asp
1 5 10 15

<210> 364
<211> 9
<212> PRT
<213> Homo sapiens

<400> 364
Asp Asn Tyr Cys Leu Gln Ile Asn Pro
1 5

<210> 365
<211> 13
<212> PRT
<213> Homo sapiens

TTTAA"SESH/50



Glu

Lys Arg Thr Asp Ser Asn Gly Arg Val Tyr Phe Val Asn His Asn Thr

Figure 10 shows the results of the analysis of variance for the effect of the number of trials on the mean number of correct responses. The results show that the number of trials had a significant effect on the mean number of correct responses, $F(4, 116) = 10.1, p < 0.001$. The mean number of correct responses increased with the number of trials, from 1.5 at 1 trial to 4.5 at 5 trials. The mean number of correct responses was significantly higher at 5 trials than at 1 trial, $F(4, 116) = 10.1, p < 0.001$.

20

25

30

Arg Ile Thr Gln Trp Glu Asp Pro Arg Ser Gln Gly Gln Leu Asn Glu
35 40 45

Lys Pro Leu Pro Glu Gly Trp Glu Met Arg Phe Thr Val Asp Gly Ile
50 55 60

Pro Tyr Phe Val Asp His Asn Arg Arg Thr Thr Thr Tyr Ile Asp Pro
65 70 75 80

Arg Thr Gly Lys Ser Ala Leu Asp Asn Gly Pro Gln Ile Ala Tyr Val
85 90 95

Arg Asp Phe Lys Ala Lys Val Gln Tyr Phe Arg Phe Trp Cys Gln Gln
100 105 110

Leu Ala Met Pro Gln His Ile Lys Ile Thr Val Thr Arg Lys Thr Leu
115 120 125

Phe Glu Xaa Ser Phe Gln Gln Xaa Xaa Ser Phe Ser Pro Gln Asp Leu
130 135 140

Arg Xaa Arg Leu Trp Val Ile Phe Pro Gly Glu Glu Gly Leu Asp Tyr
145 150 155 160

Gly Gly Val Ala Arg Glu Trp Phe Phe Leu Leu Ser His Glu Val Leu
165 170 175

Asn Pro Met Tyr Cys Leu Phe Glu Tyr Ala Gly Lys Asp Asn Tyr Cys
180 185 190

Leu Gln Ile Asn Pro Xaa Ser Tyr Ile Asn Pro Asp His Leu Lys Tyr
195 200 205

Phe Arg Phe Ile Gly Arg Phe Ile Ala Met Ala Leu Phe His Gly Lys
210 215 220

Phe Ile Asp Thr Gly Phe Ser Leu Pro Phe Xaa Lys Arg Ile Leu Asn
225 230 235 240

Lys Pro Val Gly Leu Lys Asp Leu Glu Ser Ile Asp Pro Glu Phe Tyr
245 250 255

Asn Ser Leu Ile Trp Val Lys Glu Asn Asn Ile Glu Glu Cys Asp Leu
260 265 270

Glu Met Tyr Phe Ser Val Asp Lys Glu Ile Leu Gly Glu Ile Lys Ser
275 280 285

His Asp Leu Lys Pro Asn Gly Gly Asn Ile Leu Val Thr Glu Glu Asn
290 295 300

Lys Glu Glu Tyr Ile Arg Met Val Ala Glu Trp Arg Leu Ser Arg Gly
305 310 315 320

Val Glu Glu Gln Thr Gln Ala Phe Phe Glu Gly Phe Asn Glu Ile Leu
325 330 335

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Pro	Gln	Gln	Tyr	Leu	Gln	Tyr	Phe	Asp	Ala	Lys	Glu	Leu	Glu	Val	Leu
340													350		
Leu	Cys	Gly	Met	Gln	Glu	Ile	Asp	Leu	Asn	Asp	Trp	Gln	Arg	His	Ala
355													365		
Ile	Tyr	Arg	His	Tyr	Ala	Arg	Thr	Ser	Lys	Gln	Ile	Met	Trp	Phe	Trp
370													380		
Gln	Phe	Val	Lys	Glu	Ile	Asp	Asn	Glu	Lys	Arg	Met	Arg	Leu	Leu	Gln
385													400		
Phe	Val	Thr	Gly	Thr	Cys	Arg	Leu	Pro	Val	Gly	Gly	Phe	Ala	Asp	Leu
							405						415		
Met	Gly	Ser	Asn	Gly	Pro	Gln	Lys	Phe	Cys	Ile	Xaa	Lys	Val	Gly	Lys
							420						425		
Glu	Asn	Trp	Leu	Pro	Arg	Ser	His	Thr	Cys	Phe	Asn	Arg	Leu	Asp	Leu
							435						440		
Pro	Pro	Tyr	Lys	Ser	Tyr	Glu	Gln	Leu	Lys	Glu	Lys	Leu	Leu	Phe	Ala
							450						455		
Ile	Glu	Glu	Thr	Glu	Gly	Phe	Gly	Gln	Glu						
465							470								